

**INTERIM REMEDIAL ACTION REPORT –  
SLAB, SOIL, AND SEDIMENT REMEDIATION**

**REMEDIAL ACTION CONTRACT 2 FOR  
REMEDIAL, ENFORCEMENT OVERSIGHT, AND  
NON-TIME CRITICAL REMOVAL ACTIVITIES  
IN REGION 5**

**OMC PLANT 2 SITE  
WAUKEGAN, LAKE COUNTY, ILLINOIS**

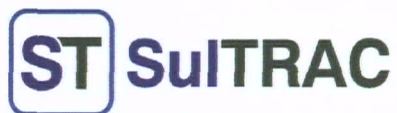
**Prepared for  
United States Environmental Protection Agency  
Region 5  
77 West Jackson Boulevard  
Chicago, IL 60604**

Date Submitted:	February 2, 2012
US EPA Region:	5
Work Assignment No:	167-RARA-0528
Contract No:	EP-S5-06-02
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US EPA RECORDS CENTER REGION 5



424309



February 3, 2012

Mr. Timothy Drexler  
Project Manager  
U.S. Environmental Protection Agency (EPA) Region 5  
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**Subject: Interim Remedial Action Report  
Outboard Marine Corporation (OMC), Plant 2 Site  
Waukegan, Lake County, Illinois  
Remedial Action Contract (RAC) 2 EP-S5-06-02  
Work Assignment No. 167-RARA-0528**

Dear Mr. Drexler:

SulTRAC is enclosing a copy of the above-referenced report for your review. Copies have also been forwarded to CH2M Hill and the Illinois Environmental Protection Agency (IEPA) as requested.

Please note that several appendices were too voluminous to print and their file size precluded them from being inserted onto individual CDs. SulTRAC has therefore included a DVD containing the entire report with appendices listed under separate subdirectories.

If you have any questions, please call me at (312) 201-7474.

Sincerely,

A handwritten signature in black ink, appearing to read "Tom Hahne", with a long, sweeping underline.

Tom Hahne  
Project Manager

Enclosure

cc: Parveen Vij, EPA Contracting Officer (letter only)  
Mindy Gould, SulTRAC Program Manager (letter only)  
Erin Rednour, IEPA (2 copies)  
Jewelle Keiser, CH2M Hill (1 copy)



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## TABLE OF CONTENTS

<u>Section</u>	<u>Page</u>
1.0 INTRODUCTION .....	1
1.1 SITE LOCATION AND HISTORY .....	2
1.2 CONTAMINANTS .....	3
1.3 REMEDY COMPONENTS .....	4
2.0 CHRONOLOGY OF EVENTS .....	4
2.1 PRE-REMEDATION ACTIVITIES .....	4
2.2 REMEDIATION ACTIVITIES .....	5
2.3 PLANT 2 SLAB REMOVAL .....	6
2.4 SOIL REMEDIATION .....	6
2.5 SEDIMENT REMEDIATION .....	7
2.6 SUBSLAB STRUCTURE AND UST REMOVAL .....	7
2.7 TUNNEL WATER REMOVAL .....	8
2.8 NEW SMELTER SLAB REMEDIATION AND SUPPLEMENTAL INVESTIGATION ACTIVITIES .....	8
2.9 RESTORATION ACTIVITIES .....	9
2.9.1 Site Restoration .....	9
2.9.2 Dune Restoration .....	9
3.0 PERFORMANCE STANDARDS AND CONSTRUCTION QUALITY CONTROL .....	10
4.0 CONSTRUCTION ACTIVITIES .....	11
4.1 SLAB REMOVAL AND CONCRETE MANAGEMENT .....	11
4.2 SOIL REMEDIATION .....	13
4.3 SEDIMENT REMEDIATION .....	15
4.4 AIR MONITORING DURING REMEDIATION .....	16
4.4 OTHER ACTIVITIES .....	16
5.0 FINAL INSPECTION .....	18
6.0 CERTIFICATION THAT REMEDY IS OPERATIONAL AND FUNCTIONAL .....	18
7.0 OPERATION AND MAINTENANCE .....	18
8.0 CONTACT INFORMATION .....	18
9.0 REFERENCES .....	19

## TABLES

Table 1 – Slab Material Disposition .....	12
Table 2 – Soil Disposition .....	14
Table 3 – Sediment Disposition .....	15

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## **FIGURES**

- Figure 1 – Site Location
- Figure 2 – Site Excavation Status
- Figure 3 – Pre-Excavation Topography
- Figure 4 – Post-Excavation Topography
- Figure 5 – Post-Backfill Topography
- Figure 6 – Building Footprint Confirmation Sampling Results
- Figure 7 – Area 1 Confirmation Sample Results
- Figure 8 – Area 2 Confirmation Sample Results
- Figure 9 – Area 3 Confirmation Sample Results
- Figure 10 – Area 4 Confirmation Sample Results
- Figure 11 – Area 5 Confirmation Sample Results
- Figure 12 – Area 6 Confirmation Sample Results
- Figure 13 – Area 7 Confirmation Sample Results
- Figure 14 – Area 8 Confirmation Sample Results
- Figure 15 – Area 9 Confirmation Sample Results
- Figure 16 – Area 10 Confirmation Sample Results
- Figure 17 – Area 12 Confirmation Sample Results
- Figure 18 – Area 13 Confirmation Sample Results
- Figure 19 – Area 14 Confirmation Sample Results
- Figure 20 – South Ditch Confirmation Sample Results
- Figure 21 – Smelter Slab Area Confirmation Sample Results
- Figure 22 – Air Monitoring Station Locations

## **APPENDICES**

- Appendix A – Analytical Results Tables
- Appendix B – Laboratory Data Packages (CD)
- Appendix C – Waste Manifests (CD)
- Appendix D – Air Monitoring Data and Summary Table
- Appendix E – Well Abandonment Forms
- Appendix F – Daily Reports (CD)
- Appendix G – Photographic Log (CD)
- Appendix H – Waste Trucking Log Summaries
- Appendix I – Meteorological Data (CD)



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## 1.0 INTRODUCTION

SulTRAC has prepared this Interim Remedial Action Report (IRAR) for the Outboard Marine Corporation (OMC) Plant 2 site (Site) in Waukegan, Lake County, Illinois, under the U.S. Environmental Protection Agency (EPA) Remedial Action Contract (RAC) II for Region 5, Contract No. EP-S5-06-02, Work Assignment (WA) Number 167-RARA-0528. The EPA scope of work for OMC requires a final remedial action report, completed in accordance with requirements specified in EPA Publication No. 9320.2-22 (Closeout Procedures for National Priority List Sites). An Interim Remedial Action Asbestos Abatement and Demolition Summary Report (AADSR) was submitted on August 2, 2011, to summarize the Phase I initial remedial actions at the site. This IRAR is provided to partially fulfill the remedial action report requirement by providing documentation of the Phase II remedial actions at the site.

The purpose of this WA is to implement the remedial action (RA) in accordance with the objectives of the remedial design (RD). The statement of work (SOW) for the WA includes the RA for the Plant 2 Site, which is Operable Unit (OU) 4 of the OMC Superfund site. The RA includes asbestos abatement, building demolition, building slab removal, sub-slab soil removal, soil remediation, and sediment remediation of the North Ditch and the South Ditch. The RA was initially divided into two phases (both now completed): Phase I included asbestos abatement and building demolition. Phase II involved building slab removal, subslab fill removal, and soil removal from the Plant 2 area and 14 outlying remediation areas. Phase II also included sediment remediation of the North Ditch and South Ditch. A third phase, termed the Supplemental Remediation Phase, is in progress. A final remedial action report will be issued when that work is completed. The estimated completion date for the supplemental remediation is June 2012.

This IRAR describes Phase II of the RA (slab removal, soil remediation, and sediment remediation). The Phase II remediation activities included:

- Pre-remediation investigation activities
- Removal, crushing, transportation and off-site disposal of the Plant 2 slab
- Excavation, transportation, and off-site disposal of subslab soil
- Excavation, transportation, and off-site disposal of soil from 13 pre-determined areas (Areas 1, 2, and 4 through 14)
- Excavation, transportation, and off-site disposal of sediment from the North Ditch (Area 3) and the South Ditch

- Removal of the New Smelter Slab, followed by crushing and onsite reuse of crushed concrete
- Excavation, transportation, and disposal of soil from the New Smelter Slab Area
- Restoration of the Dune Area (Area 5).

The remediation activities addressed contamination identified in the scope of the Basis of Design Report (CH2M Hill 2008) and the Addendum to the Basis of Design (CH2M Hill 2009), except for the Triax Building and the adjacent Trim Building Slab. The Triax Building has been used for groundwater remediation activities associated with the nearby Waukegan Coke Plant cleanup. The Triax Building and Trim Building Slab remain in place and will be used as part of the Waukegan Harbor Sediment cleanup.

As noted above, Supplemental Remediation is addressing contamination identified during the Phase II remediation activities. The scope of ongoing Supplemental Remediation is identified in the Supplemental Design Report (SulTRAC 2011a).

## **1.1 SITE LOCATION AND HISTORY**

The OMC Plant 2 site is located at 90 East Sea Horse Drive in Waukegan, Illinois, about 40 miles north of Chicago. The OMC Plant 2 site is the fourth of four OUs on the OMC National Priorities List (NPL) site, which also includes the Waukegan Harbor site (OU 1), the Waukegan Manufactured Gas and Coke Plant (“Waukegan Coke Plant”) site (OU 2), the polychlorinated biphenyl (PCB) Containment Cells (OU 3), and the OMC Plant 2 (OU-4). Figure 1 shows the location of OMC Plant 2.

The OMC Plant 2 site is a 60-acre lakefront parcel that formerly contained an abandoned 1,060,000-square-foot (sq ft) industrial facility in which OMC made outboard motors from about 1948 until 2000. The facility was divided into an older plant and newer plant. The older plant, encompassing about 620,000 sq ft was demolished in 2010 as documented in the Interim Removal Action Report for Demolition and Asbestos Abatement (SulTRAC, 2011b). The City of Waukegan previously demolished the newer eastern building, encompassing about 400,000 sq ft. Some of the residual portions of the eastern plant foundations remain in place and are being addressed as part of the ongoing supplemental remediation activities. OMC was the world's largest manufacturer and supplier of outboard motors and second largest producer of powerboats. OMC declared bankruptcy in December 2000 and ceased all manufacturing operations in August 2001. The Former Plant 2 site is now owned by the City of Waukegan. EPA began a remedial investigation (RI) at the OMC Plant 2 site in 2004 to determine the nature and extent of contamination in site groundwater, sediment, and soil, and within the OMC Plant 2 .

building. EPA issued the *Remedial Investigation Report (for) OMC Plant 2* containing the study results and a human health and ecological risk assessment in April 2006 (CH2M Hill 2006a). EPA began a feasibility study (FS) in 2005 to examine site cleanup alternatives designed to protect human health and the environment, and issued the *Feasibility Study Report (for) OMC Plant 2* in December 2006 (CH2M Hill 2006b). EPA issued a Record of Decision (ROD) for cleanup of soil and building media in September 2007 (EPA 2006). CH2M Hill prepared a Basis of Design in June 2008 that described the remedial objectives and remedial measures to address soil, sediment, and building media (CH2M Hill 2008). CH2M Hill prepared an addendum to the Basis of Design for remediation of soil, sediment, and building media in November 2009 (CH2M Hill 2009). The remediation activities described in this report accorded with the ROD, Basis of Design, and addendum to the Basis of Design. Figure 2 shows the OMC Plant 2 Site Layout and also shows the status of remediation activities at completion of the Phase II activities.

## 1.2 CONTAMINANTS

The OMC facility used hydraulic and lubricating oils that contained polychlorinated biphenyls (PCB) in its production lines beginning in 1961 until 1972, and routinely discharged some of the fluids via sewer lines into Waukegan Harbor, thereby becoming the source of very high-level PCB contamination in harbor sediment. OMC also operated several vapor degreasers at the OMC Plant 2 facility to clean newly made parts with trichloroethene (TCE). Leaking degreasers and/or TCE storage tanks over the years created a TCE groundwater contaminant plume and a dense, non-aqueous phase liquid (DNAPL) beneath the OMC Plant 2 site.

During the RI, many interior surfaces within the 620,000 sq ft of building space of the OMC Plant 2 building were found contaminated with PCBs. Sampling of the concrete floors identified PCB contamination including PCB levels well above the Toxic Substance Control Act (TSCA) cleanup level [761.61 (a) (4) (iii)] screening criterion of 50 milligrams per kilogram (mg/kg) in the Old Die Casting (ODC) Area, located on the western side of the former building.

Subsurface soil sampling during the RI and also as part of the pre-remediation activities identified contaminants including PCBs, volatile organic compounds (VOC), and polynuclear aromatic hydrocarbons (PAH) in the former building footprint. Subsurface soil sampling during the RI identified PCB and PAH contamination in other locations of the site (Areas 1, 2, and 4 through 13). Sediment sampling identified PCBs in the North Ditch (Area 3) and the South Ditch.

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### **1.3 REMEDY COMPONENTS**

Pre-remediation activities for Phase II of the RA began in June 2010. These included concrete slab sampling, subslab soil sampling, sampling of the South Ditch, a survey for threatened and endangered species, and a survey of existing conditions in the Dune Area (Area 5). Mobilization activities and setup of site facilities had been addressed as part of the prior building demolition activities.

Slab demolition and soil remediation activities began concurrently in August 2011. Slab demolition included removal of the slab, on-site processing, and off-site disposal as TSCA or Subtitle D Waste. Steel embedded in concrete was processed and recycled offsite as part of the slab removal activities. Except for the ODC Area, slab removal activities had been completed in October 2010.

Soil remediation began in August 2011 with removal of an existing pile of soil derived from historical harbor dredging activities. Soil remediation then proceeded to individual removal areas (Areas 1, 2, and 4 through 14) and also to the subslab area (most of the slab had been removed in September 2010). Soil remediation activities were completed in August 2011.

Sediment remediation in the South Ditch began in October 2010 and ended in November 2010. Area 3, the North Ditch, was remediated to the design elevation of 577 feet msl in November 2010.

Air monitoring stations were established on the site perimeter prior to initiation of demolition activities, as described in the AADSR (SulTRAC 2011b). The air monitoring stations were operated to collect time-integrated samples of total suspended particulates using Particulate Matter (PM) 10 air samplers one day per week during dry or dusty conditions. These samplers were operated for the duration of the soil remediation activities.

## **2.0 CHRONOLOGY OF EVENTS**

This section provides a chronology of the remediation activities, which included pre-demolition and demolition activities.

### **2.1 PRE-REMEDIAL ACTIVITIES**

Pre-remediation activities included:



- Setup of facilities, security, air monitoring stations, and silt fencing, as described in the AASDR (SulTRAC 2011b).
- Sampling of the South Ditch in June 2010 to determine that contamination was present requiring remediation (SulTRAC 2010a).
- Subslab and concrete sampling investigation to characterize the extent of PCB, PAH, and VOCs in soils underlying the Plant 2 slab, and to determine the concrete thickness. Sampling was conducted with a truck-mounted hydraulic push probe in June 2010. Subslab sampling activities included concrete coring and soil sampling to a depth of between 5 and 8 feet below the Plant 2 slab surface at 87 locations. Results were used to determine the extent of soil remediation and to identify potentially clean soils for site reuse (SulTRAC 2010b). A second round of subslab sampling in August 2010 further assessed the extent of contamination exceeding the TSCA characteristic for PCBs (SulTRAC 2010d).
- An existing conditions survey and threatened and endangered species survey in July and August 2010 to identify threatened grasses and other species, and to provide a density survey for dune grasses. The survey was used to establish restoration metrics for the dune area (SulTRAC 2010c). The survey also included a biological assessment to assess presence of the piping plover and other threatened biota (SulTRAC 2010e). SulTRAC worked with EPA and US Fish and Wildlife Service (USFWS) to establish protocol for identifying the piping plover, and to implement best management practices in the event these threatened biota would be identified.
- Waste characterization sampling in July 2010, prior to the start of soil removal activities, to provide data for determining appropriate offsite disposal facilities.
- Sewer plugging activities in August 2010 to prevent potential discharge during soil excavation activities.
- Test pitting in July 2010 to identify the depth to groundwater throughout the site area, and to determine the likely limits of excavation.
- Well abandonments in July 2010 to abandon and seal wells within the footprint of the remediation activities. Completed abandonment forms are provided in Appendix E.

## **2.2 REMEDIATION ACTIVITIES**

Remediation activities included removal of the Plant 2 concrete slab; remediation of subslab soils; remediation of soil in Areas 1, 2, and 4 through 14; remediation of sediment in Area 3 and the South Ditch; removal of an underground storage tank (UST); removal of subsurface footings and structures; and removal of a slab and subslab soils within the Smelter Slab Area. Each remediation activity is described below.

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## **2.3 PLANT 2 SLAB REMOVAL**

The Plant 2 concrete slab was removed in two parts. The eastern portion of the Plant 2 slab, which contained PCBs at less than TSCA levels, was removed first. The slab in the western portion, the ODC Area, which contained TSCA levels of contamination, was removed later. The ODC slab was left intact until many of the soil and sediment remediation activities had been completed.

The eastern portion of the slab was first broken up by using a Thumper. The Thumper consisted of a tractor equipped with an irregularly shaped steel ball. The tractor dragged the ball over the top of the concrete surface over a period of several days to loosen the concrete and render it easier to remove. Track-hoes equipped with hydraulic breakers were then used to break up the concrete so that excavators could subsequently remove concrete in sections. Once the concrete was removed, it was processed with the breakers and Trackhoe-mounted shears. After sections had been broken into suitable-sized chunks, these were further processed using a mobile concrete crusher. Steel rebar was removed during the crushing operation and recycled offsite. Processed concrete was transported and disposed of offsite at Veolia's Landfill in Zion, Illinois.

The ODC area slab removal proceeded in a similar manner; however, removal of material from this portion of the slab was conducted without crushing due to the high PCB concentrations. Concrete was processed using shears until the size criterion for disposal was met. ODC concrete was disposed of as TSCA waste at Heritage's TSCA-compliant landfill in Roachdale, Indiana.

Plant 2 slab removal activities began in August 2010 and were completed in April 2011.

## **2.4 SOIL REMEDIATION**

Soil remediation activities were conducted in a number of site areas including the subslab area below the former Plant 2 slab and in 13 defined soil remediation areas (Areas 1,2, and 4 through 14). Soil was first excavated to the targeted depth based on the CH2M Hill design or to the depth identified in the subslab investigations. Following this soil removal, soil was removed iteratively from the base(s) and sidewalls based on results of confirmation sampling. Soil removal generally was terminated at the apparent water table unless sampling indicated that soil exceeding TSCA criteria was still present. These areas were re-excavated until soil no longer exhibited TSCA characteristic levels of PCBs. One area that did not meet TSCA criteria was the ODC Area, where contamination was noted well below the water table and further

excavation was not deemed feasible. The ODC Area will be further addressed based on the findings of an ongoing feasibility study. Two other areas also exhibited residual soil contamination exceeding TSCA criteria: the Smelter Slab Area and Area 5. These areas will be addressed as part of the ongoing supplemental remediation activities. Figures 3, 4, and 5 depict the pre-excavation, post excavation, and post backfill topography. Figures 6 through 21 show the final confirmation sampling results in the soil excavation areas.

Soil remediation activities began in August 2010 and were completed in June 2011.

## **2.5 SEDIMENT REMEDIATION**

Sediment remediation activities were conducted in the North Ditch (Area 3) and the South Ditch. The North Ditch remediation activities included temporary dewatering of the ditch, followed by mechanical excavation to a fixed elevation of 577 feet above mean sea level (msl). Excavated sediments were accumulated at a central point within the ditch and amended with cal-cement in order to meet disposal limits for free water content. Once sediment was removed to the fixed elevation, the ditch was allowed to naturally refill. Water removed from the ditch was treated by filtration and discharged onsite after a determination that filtered water did not contain detectable PCBs.

Sediment was also removed from the South Ditch by mechanical excavation similar to that used at the North Ditch; however, the excavated sediment was amended with site soil to limit the free liquid content of the sediment. At the South Ditch, sediment removal was followed by confirmation sampling and re-excavation to achieve remediation objectives.

Sediment remediation activities at the North Ditch began in November 2010 and were completed in November 2010. Sediment remediation activities at the South Ditch began in October 2010 and were completed in December 2010.

## **2.6 SUBSLAB STRUCTURE AND UST REMOVAL**

Removal of the subslab also included removal of subsurface structures to the extent required to complete the soil remediation or to meet design requirements. This included the following subsurface structures:

- Piping throughout the plant area and piping containing sludges on the north side of the slab
- Filtration and oil separation tanks in the former Chip Wringer Area
- Ventilation Tunnels in the ODC Area
- An approximately 2,000-gallon UST in Grid L-6
- Footings and concrete foundations in the ODC Area
- Footings and concrete foundations in the DNAPL Area.

Subsurface structure removal activities occurred at the same time as soil removal, starting in August 2010 and ending in June 2011.

## **2.7 TUNNEL WATER REMOVAL**

Water removal and treatment activities occurred during Tunnel removal and sediment dredging activities. Water removal from the tunnel system involved pumping the tunnels to remove water, filtering the water, sampling the water, and discharging the water onsite. However, the tunnel system was found to have water in direct contact with groundwater, and pumping and treating was discontinued after quick refill of tunnels by groundwater recharge became evident.

Tunnel dewatering activities were completed in March 2011, prior to remediation of the ODC Area.

## **2.8 NEW SMELTER SLAB REMEDIATION AND SUPPLEMENTAL INVESTIGATION ACTIVITIES**

Confirmation sampling activities in Areas 10 and 13 identified possible contamination in the New Smelter Slab Area. Confirmation sampling in Area 3, Area 4, and Area 5 also identified contamination beyond the limits of the remediation activities specified in the Design. As a result, a supplemental investigation was conducted in March 2011 to determine the extent of contamination (SulTRAC 2011c).

Following completion of sampling activities, it was determined that slab removal followed by subslab soil removal was necessary in the New Smelter Slab Area. Further remediation activities were deferred in Areas 3, 4, and 5 based on the need for a Supplemental Design.

The slab was removed in the New Smelter Slab and processed by crushing. Crushed slab material was used as fill in the ODC Area. Other material, previously generated by the City of Waukegan (City) by



removing and crushing the foundations of the eastern site buildings, was also used as fill in the ODC Area.

Following removal of the slab, the underlying soils were removed and transported offsite as Subtitle D (nonhazardous waste) or as TSCA waste, based on sampling results. Soil was excavated to the required depth based on supplemental sampling results; confirmation sampling results then indicated whether further excavation would be necessary, and if so, that further excavation would be followed by confirmation sampling, and so on, iteratively, until sampling results of the remaining soil indicated it below benchmarks for target analytes and TSCA criteria.

The New Smelter Slab and soil removal activities began in June 2011 and were completed in August 2011.

## **2.9 RESTORATION ACTIVITIES**

Site restoration activities occurred at the Plant 2 site, and Dune restoration was performed for Area 5.

### **2.9.1 Site Restoration**

Site restoration activities were limited to minor grading within the site area to minimize steep slopes. Due to limited volumes of clean fill, only areas containing LNAPL and DNAPL were backfilled with site fill to eliminate exposure and to reduce migration of these.

Rough final grading activities occurred in August 2011.

### **2.9.2 Dune Restoration**

Restoration of Area 5 included backfilling with imported sand to approximate the original contours. The sand generally complied with the grain size requirements in the specifications. Two samples from each import source were collected of each sand material imported to the site. Analytical results are provided in Appendix A. The imported sands originated from Midwest Aggregate in Antioch, and laboratory results indicated these sands met Tiered Approach to Cleanup Objective (TACO) Tier 1 remediation objectives for residential properties. Seed and nutrient fabric, including a mix of dune seeds, was planted as specified in the design for Area 5. The endangered plant seaside spurge was transferred back to the dune

area as part of site restoration. Portions of Area 5 were not restored because of need for additional remediation within that area following completion of the supplemental design.

Restoration activities within the Dune Area (Area 5) that included installation of sand and a seed-impregnated fabric occurred in October 2010.

### **3.0 PERFORMANCE STANDARDS AND CONSTRUCTION QUALITY CONTROL**

The performance standards and construction quality control (QC) measures included an evaluation of compliance with the bid specifications and design documents. Activities were evaluated as required to ensure that removal objectives had been achieved, that waste materials had been properly characterized prior to transportation and offsite disposal, and that proper disposal or recycling of waste generated by remediation activities had occurred.

Sampling occurred to determine the extent of soil contamination prior to remediation, and also to identify areas requiring additional remediation. Information regarding sampling during the supplemental investigation appears in the associated technical memoranda. Confirmation sampling was also conducted during the remediation activities. Sample analysis by Test America accorded with the Quality Assurance Project Plans (CH2M Hill 2009, SulTRAC 2009). QC/quality assurance (QA) samples were collected during remediation, and Level IV data quality packages were provided by Test America and reviewed by SulTRAC. Data were found to meet data quality objectives.

Air monitoring was conducted at the site perimeter during demolition activities to ensure compliance with National Ambient Air Quality Standards (NAAQS). Samples were collected in accordance with the approved quality assurance project plan (QAPP) using PM10 samplers. Air flow was calibrated and data were summarized in field logbooks, with recordings of start and end times and start and end air flows as verified by calibration. Samples were analyzed by STAT Analysis Corporation for PM10. SulTRAC evaluated data packages and found that the data were acceptable for use. Laboratory data packages for air samples are provided in Appendix D, along with a summary table presenting an analysis of results. Results indicate that National Emission Standards for Hazardous Air Pollutants (NESHAP) fence-line objectives were achieved during remediation activities.

A meteorological recording station was constructed at the site to gather meteorological data during the Phase II remediation. The data were used to compute the flow volumes of the PM10 samplers.

Additional meteorological data were collected as specified in the design, to be used for air modeling in the event of a NESHAP fence-line exceedance.

Health and safety monitoring occurred during demolition activities. A field dust monitor was used to compare respirable dust concentrations with site-specific exposure limits. When in use, the aerosol monitor was calibrated daily. SulTRAC also conducted personnel air monitoring for PCBs during remediation activities in the ODC Area. Air samples were submitted to Galson Laboratories, and results were reviewed by SulTRAC and found to meet data quality requirements.

Daily field reports documented each day's activities. Weekly status meetings evaluated work progress and identified any safety or work concerns. Daily field reports are provided in Appendix F. Photographs were taken to document all phases of remediation activity. This photographic log is provided as Appendix G.

## **4.0 CONSTRUCTION ACTIVITIES**

Four main construction activities included concrete slab removal and concrete management, soil remediation, sediment remediation, and air monitoring. Other activities also were required to successfully meet design objectives.

### **4.1 SLAB REMOVAL AND CONCRETE MANAGEMENT**

Concrete slab removal occurred as follows: removal of non-TSCA concrete in the Plant 2 slab, removal of TSCA concrete in the ODC portion of the Plant 2 slab, and removal of non-TSCA concrete in the New Smelter Slab Area. Removal of subslab concrete also occurred where required by the design or as necessary to complete soil remediation.

Concrete slab removal was achieved by first breaking up the surface using a combination of a Thumper, concrete breakers, percussive hammers, and excavators. Once concrete was removed, it was broken into workable sized pieces with hydraulic shears or by other means, such as dropping sections onto the concrete surface.

In the non-TSCA area, concrete was further processed by use of an onsite crusher. Concrete was loaded into a crusher, and rebar was removed using a small bobcat during the crushing activities. After crushing, concrete was stockpiled on the slab until sufficient quantities were available for offsite disposal. Crushed concrete from the non-TSCA portion off the site was transported offsite for disposal as non-hazardous waste at Veolia's Landfill in Zion, Illinois.

In the ODC area, concrete was broken into small pieces using a track-hoe equipped with hydraulic shears, and was stockpiled until sufficient quantities were available for offsite disposal. This concrete was managed as TSCA waste within the ODC Area before transport offsite and disposal at Heritage's TSCA-compliant landfill in Roachdale, Indiana.

Concrete from the New Smelter Slab Area was managed in a manner similar to that in the non-TSCA area. However, after pulverization into less than 3-inch-diameter segments, the material was reused as fill in the ODC Area.

In addition, on the eastern portion of the site, the City had previously stockpiled concrete derived from demolition and crushing of the subslab. This material was used as fill in the ODC Area.

Table 1 summarizes the quantities and dispositions of concrete material.

**TABLE 1 – SLAB MATERIAL DISPOSITION**

Material Description	Design Estimate	Actual Quantities	Disposition
Non-TSCA Concrete Slab and Subslab	17,280	25,100	Disposal at Veolia Landfill in Zion, Illinois
TSCA Concrete	6,720 tons	14,700 tons	Disposal at Heritage TSCA-compliant landfill in Roachdale, Indiana
TSCA Concrete with Asbestos-Containing Material	0	73 tons	Disposal at Heritage TSCA-compliant landfill in Roachdale, Indiana
Smelter Slab Concrete	None	6,589 tons	Reuse in ODC
Recycle Steel	None	<100 tons	Recycle, Gary Works
Stockpiled City Crushed Slab Material	None	9,866 cubic yards	Reuse in ODC

Notes:

TSCA Toxic Substances Control Act

ODC Old Die Casting Area

See Appendix C for waste manifests and Appendix H for waste trucking log summaries.



## 4.2 SOIL REMEDIATION

Soil remediation activities included excavation of soil in the footprint of the former site building and within defined remediation areas (Areas 1, 2, 4 through 14, and the Smelter Slab Area).

The Plant 2 building footprint was first investigated to determine the extent of excavation required under the slab. The slab was subdivided into 50-foot grids, and each grid was assigned a number for the purpose of sampling and remediation. An alphabetic (A through Q) designator was used from north to south, and a numeric designator (1 through 24) was used from west to east. Subslab sampling included the Trim Building Subslab, which extends farther to the east, but this area was left intact for use in the upcoming harbor remediation work.

As specified in the design, SulTRAC attempted to identify clean subslab soil for reuse as fill onsite. Sampling identified some areas that seemed to meet remediation objectives. This soil was isolated and managed as clean soil, graded, and then stockpiled during remediation. However, subsequent sampling of this soil determined that it did not meet site remediation objectives for PCBs—pockets of PCB contamination were present, perhaps from subsurface piping or as a result of unidentified releases; therefore, most of this material was removed from the site as contaminated.

Excavation proceeded using track-hoe excavators first in the non-TSCA portion of the plant to prevent re-contamination of other areas. Soil was generally direct-loaded to trucks for offsite disposal, but some working stockpiles were created within the limits of each contaminated area, and trucks were loaded from the stockpiles.

Excavation in defined remediation areas (Areas 1, 2, and 4 through 14) proceeded by first excavating to the design depth. Confirmation sampling results then indicated whether further excavation would be necessary, and if so, that further excavation would be followed by confirmation sampling, and so on, iteratively, until sampling results of the remaining soil indicated it below benchmarks for target analytes and TSCA criteria. Soil from these areas was generally direct-loaded to trucks for transportation offsite as non-hazardous waste.

Soils above TSCA criteria were identified within the ODC area, within areas on the eastern portion of the Plant 2 slab, in the new smelter slab building subslab soil, and within Areas 7, 10, 12, and 13 on the

eastern side of the site. Where soil exceeding TSCA criteria was defined, the area was excavated; surrounding areas were also tested to prevent identification of soil exceeding TSCA criteria as non-hazardous. These areas were managed as TSCA waste until confirmation sampling that would indicate whether the soil exceeded TSCA criteria.

Soil was excavated until confirmation samples met remediation objectives (1 part per million PCBs, and 2 parts per million PAH) or the excavation depth exceeded the groundwater table. Where confirmation soil samples indicated that soil still exceeded the TSCA criteria below the water table, re-excavation to remove TSCA soil was attempted. Soil excavation resulted in removal of all soil exceeding TSCA criteria except within the ODC area, the north end of Area 5, and in one grid within the New Smelter Slab Area. Confirmation sampling results indicated very high concentrations of PCBs in samples from the ODC Area, suggesting that contamination likely extends to depth in that area, and thus rendering conventional excavation infeasible. As a result, SulTRAC, EPA, and the Illinois Environmental Protection Agency (IEPA) agreed to manage this material in place under a temporary cap until a supplemental design could be developed. The temporary cap consists of the recycled concrete from the New Smelter Slab and the former city-crushed concrete piles from the eastern plant. The residual TSCA material in Area 5 and the New Smelter Slab will be addressed as part of the supplemental remediation.

Figures 6 through 21 show locations of soil remediation areas, and list final confirmation sampling results. Table 2 summarizes dispositions of soil generated during remediation activities. Tables are provided in Appendix A summarizing confirmation results.

**TABLE 2 – SOIL DISPOSITION**

<b>Material Description</b>	<b>Design Estimate</b>	<b>Actual Quantities</b>	<b>Disposition</b>
Non-hazardous soil from Plant 2 sub-slab Area and defined removal areas 1, 2, 4, and 6 through 14	108,033 tons	279,085 tons	Offsite disposal at Veolia Landfill in Zion, Illinois
TSCA soil from Plant 2 sub-slab Area and defined removal areas	7,970 tons	38,495 tons	Offsite disposal at TSCA-compliant Heritage landfill in Roachdale, Indiana
Non-hazardous soil from Dune Area (Area 5)	6,006 tons	16,449 tons	Offsite disposal at Veolia Landfill in Zion, Illinois

Notes:

TSCA Toxic Substances Control Act  
See Appendix C for waste manifests and Appendix H for waste trucking log summaries.

### 4.3 SEDIMENT REMEDIATION

Sediment remediation was conducted within two areas of the site: the North Ditch (Area 3) and the South Ditch. Sediment remediation activities consisted of temporary dewatering of the ditches, followed by excavation and bulking of the sediment to meet disposal requirements.

In the North Ditch, a temporary berm was created on the eastern site boundary using clean sand. Trash pumps were then placed in the upstream portion of the ditch, and the water level was drawn down over a period of several days. Water was temporarily managed after filtration in the onsite retention basin. A bladder was inserted in the retention basin overflow pipe to prevent discharge to the North Ditch during this activity. After the ditch had been dewatered, a bulldozer was used to move sediment to a central location within the ditch. The sediment was then removed with an excavator and mixed with cal-cement until it met landfill free liquid disposal limits. The North Ditch was remediated to an elevation of 577 feet msl in accordance with design criteria. Water stored in the retention basin was discharged to the site after filtration and testing for PCBs. Confirmation samples from the base of the North Ditch did not achieve remediation objectives, and further remediation is planned as part of supplemental remediation activities. Figure 9 shows the confirmation sample results for the North Ditch.

A similar approach was used to remediate sediments in the South Ditch, with the following differences:

Iterative removals using an excavator to remove sediment followed by confirmation sampling were applied to achieve remediation objectives. Moreover, the dewatering activities did not require uses of the retention basin or a temporary berm. Water was discharged back to the open excavation in Area 7 after filtration, and no water was discharged off the site. Figure 20 shows the confirmation sample results for the South Ditch. Table 3 summarizes dispositions of the sediment.

**TABLE 3 – SEDIMENT DISPOSITION**

Material Description	Design Estimate	Actual Quantities	Disposition
Non-hazardous sediment from the North Ditch	4,752 tons	5,411 tons	Offsite disposal at Veolia Landfill in Zion, Illinois
Non-hazardous sediment from the South Ditch	1,358 tons	1,471 tons	Offsite disposal at Veolia Landfill in Zion, Illinois

Note:

See Appendix C for waste manifests and Appendix H for waste trucking log summaries.

---

#### **4.4 AIR MONITORING DURING REMEDIATION**

SulTRAC conducted air monitoring during remediation activities that included (1) personal dust monitoring and (2) periodic perimeter PM10 sampling.

Periodic perimeter PM10 sampling was conducted weekly, during site dry conditions. No samples were collected during weeks of daily precipitation. Figure 21 shows the air monitoring station locations. The PM10 samples were collected using Volumetric Flow Controlled (VFC) PM10 Monitors for Ambient Air obtained from TISCH Environmental, Inc., of Cleves, Ohio. Five PM10 sampling units were established at the site perimeter: at the midpoint of the property boundary, and on the north (AS-N1), east (AS-E1), west (AS-W1), and south (AS-S1). One duplicate PM10 unit was established adjacent to the south unit and labeled AS-S1D. The units operated at a flow rate of approximately 1.13 cubic meters continuous. The samples were collected on micro-quartz filter media obtained by STAT Analytical Corporation of Chicago, Illinois. The PM10 sample units AS-N1, AS-E1, and AS-W1 were powered with portable generators. Units AS-S1 and AS-S1D were powered with electricity from the site temporary supply. The air monitoring supporting data are provided in Appendix D.

Table D-1 in Appendix D summarizes the laboratory analytical results and the calculated concentrations based on the PM10 unit flow rate. A few isolated exceedances of the NAAQS occurred during soil remediation activities, but these exceedances were attributed to generator malfunction or extreme wind conditions, not to site conditions.

Meteorological data were obtained from a weather station established on the south central portion of the site. The weather station recorded at both 2 and 10 meters above ground surface the horizontal and vertical wind speeds, wind direction, and temperature. In addition, the weather station recorded date, time, and solar radiation. Data from the weather station were used to compute the VFC flow rates during sampling intervals, and were recorded in the event air modeling would be warranted. The meteorological data are provided in Appendix I.

#### **4.4 OTHER ACTIVITIES**

Other remediation-related activities included removal and treatment of the tunnel water, restoration of the Dune Area, removal of an UST, management of petroleum accumulating in excavation areas, and management of sludges encountered within piping and subsurface structures.

Removal and treatment of tunnel water was specified as a discrete task in the Basis of Design (CH2M Hill 2009), assuming that the tunnel system contained highly contaminated residuals and that the tunnels were intact. Testing of tunnel water identified only minor contamination, but a distinct purple coloration was noted in tunnel water. SulTRAC used an alternative approach to manage this water that involved pumping the water through a granular activated carbon (GAC) treatment train to remove PCBs. Removal of PCBs was effective, but the purple discoloration remained after treatment. Moreover, the tunnel water was noted in direct contact with groundwater, and the tunnels refilled even if the water was pumped at a high rate. An applied onsite screening method led to identification of the purple staining as permanganate. The purple staining was observed also in soil and groundwater throughout the ODC area—it was not confined to the tunnel system. As a result, removal and treatment of tunnel water was discontinued.

An approximately 3,000-gallon UST was identified in Grid L-6 during removal of subslab soils. The UST was filled with lean cement and had a solvent odor. The UST and UST contents were removed and managed as contaminated, along with soil remediation wastes.

Personnel encountered petroleum product while excavating soils in the LNAPL area (within the north-central part of the Plant 2 slab, as identified in the CH2M Hill RI [CH2M Hill 2006a]). This portion of the excavation proceeded below the water table, and free product was removed routinely within this area using a wet vacuum and sorbent booms. This activity took several months until the accumulation of material became minimal. The area then was backfilled to above the water table using recycled clean fill from the subslab area. The removed soil was tested and found to have non-TSCA concentrations of PCBs. This material was then managed with the soil remediation materials as non-hazardous waste.

Sludges were encountered in some portions of the site during soil remediation activities. The sludges and associated piping were generally managed as TSCA material and disposed of with the TSCA soil after mixing.

---

## **5.0 FINAL INSPECTION**

Inspections were conducted periodically to document performance of activities in accordance with plans and in a safe manner. Inspections occurred at the beginning of abatement activities and upon completion of abatement in containment areas as the work progressed. Following completion of remediation activities, inspection was conducted by the SulTRAC residential engineer, the project manager, and IEPA and EPA representatives.

## **6.0 CERTIFICATION THAT REMEDY IS OPERATIONAL AND FUNCTIONAL**

The remedy involved removal and offsite disposal of the concrete slab and subslab soils, removal of soil from defined remediation areas, and removal of sediment from the North Ditch and South Ditch. These activities have been completed, and all materials have been removed from the site and have undergone disposal or recycling in accordance with the design requirements. Exceptions include the ongoing supplemental remediation activities that will address the following: additional contamination in the New Smelter Slab Area, Area 5, and the North Ditch; and residual concrete. In addition, supplemental design activities are pending for managing contaminated residual soil in the ODC Area, contaminated soil present near utilities in Area 4, and possible contamination in the Utility Corridor at the west border of the site.

## **7.0 OPERATION AND MAINTENANCE**

No requirement of operation and maintenance was specified in the design.

## **8.0 CONTACT INFORMATION**

The contracts for this project include:

- Tim Drexler , USEPA Region 5, 77 W. Jackson Avenue, Chicago, IL 60604.  
312-353-4367
- Tom Hahne, Project Manager, SulTRAC, 37<sup>th</sup> Floor, 1 S. Wacker Drive, Chicago, IL 60606  
312 201-7474

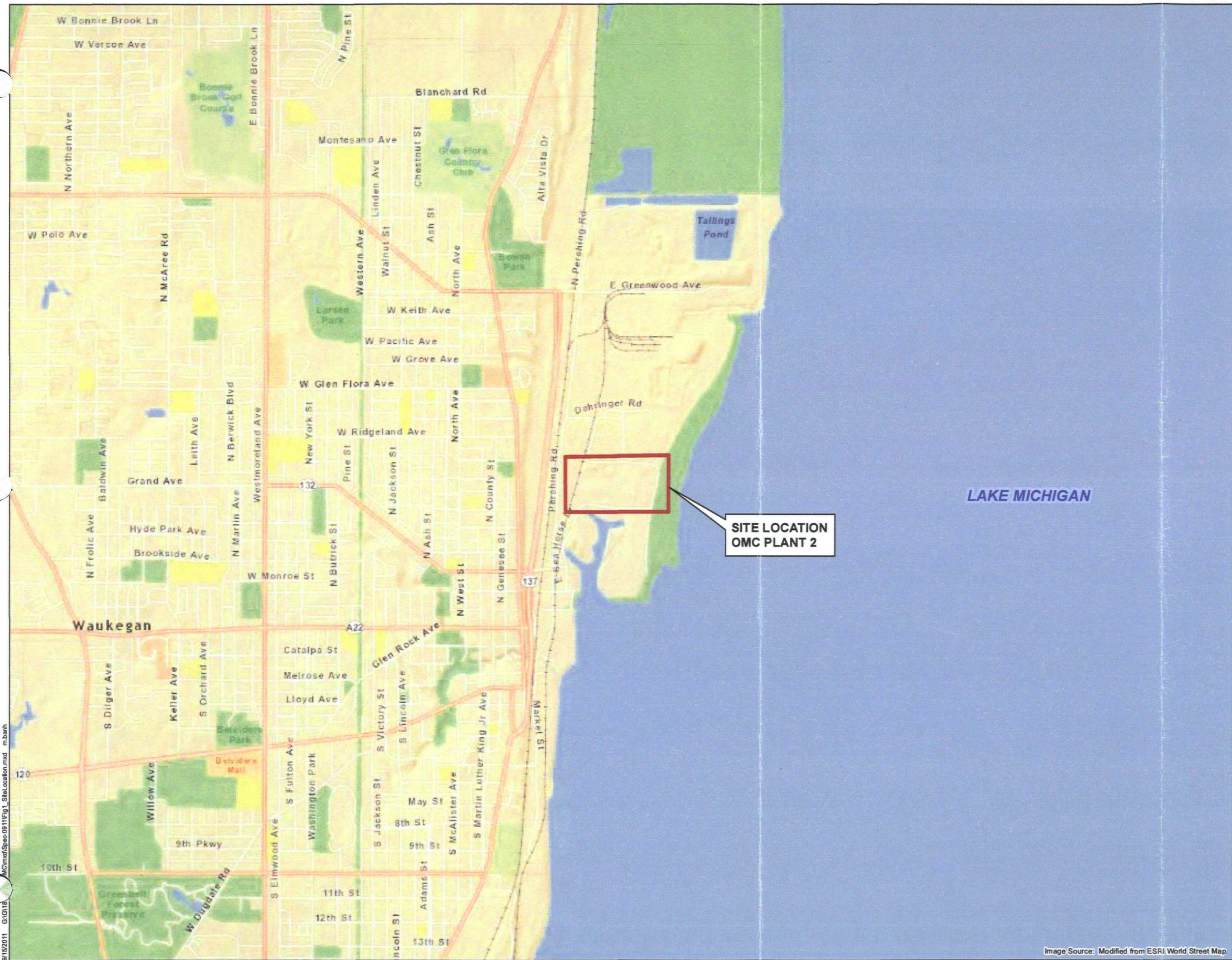


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## 9.0 REFERENCES

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- SulTRAC. 2011b. *Interim Remedial Action Report – Demolition and Asbestos Abatement. OMC Plant 2 Site*. August 2.
- SulTRAC. 2011c. *Technical Memoranda, Supplemental Investigation of Areas 3, 4, 5, and 12, OMC Plant 2 Site*. March 14.





**LEGEND**

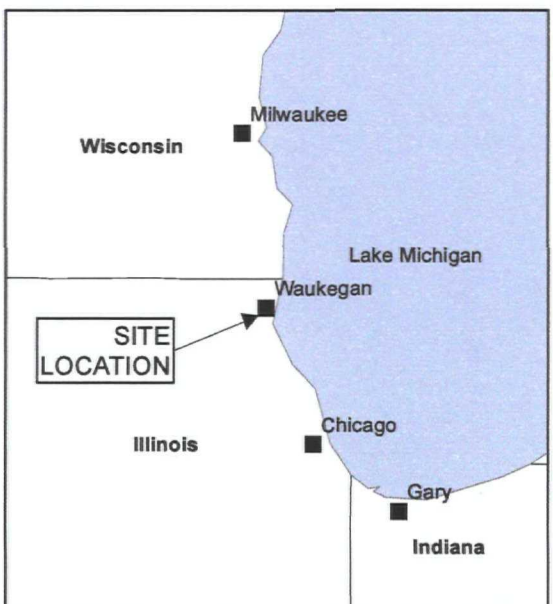
 Site Location



0 2,000 4,000  
Feet

LAKE MICHIGAN

SITE LOCATION  
OMC PLANT 2



OMC PLANT 2 SITE  
WAUKEGAN, ILLINOIS

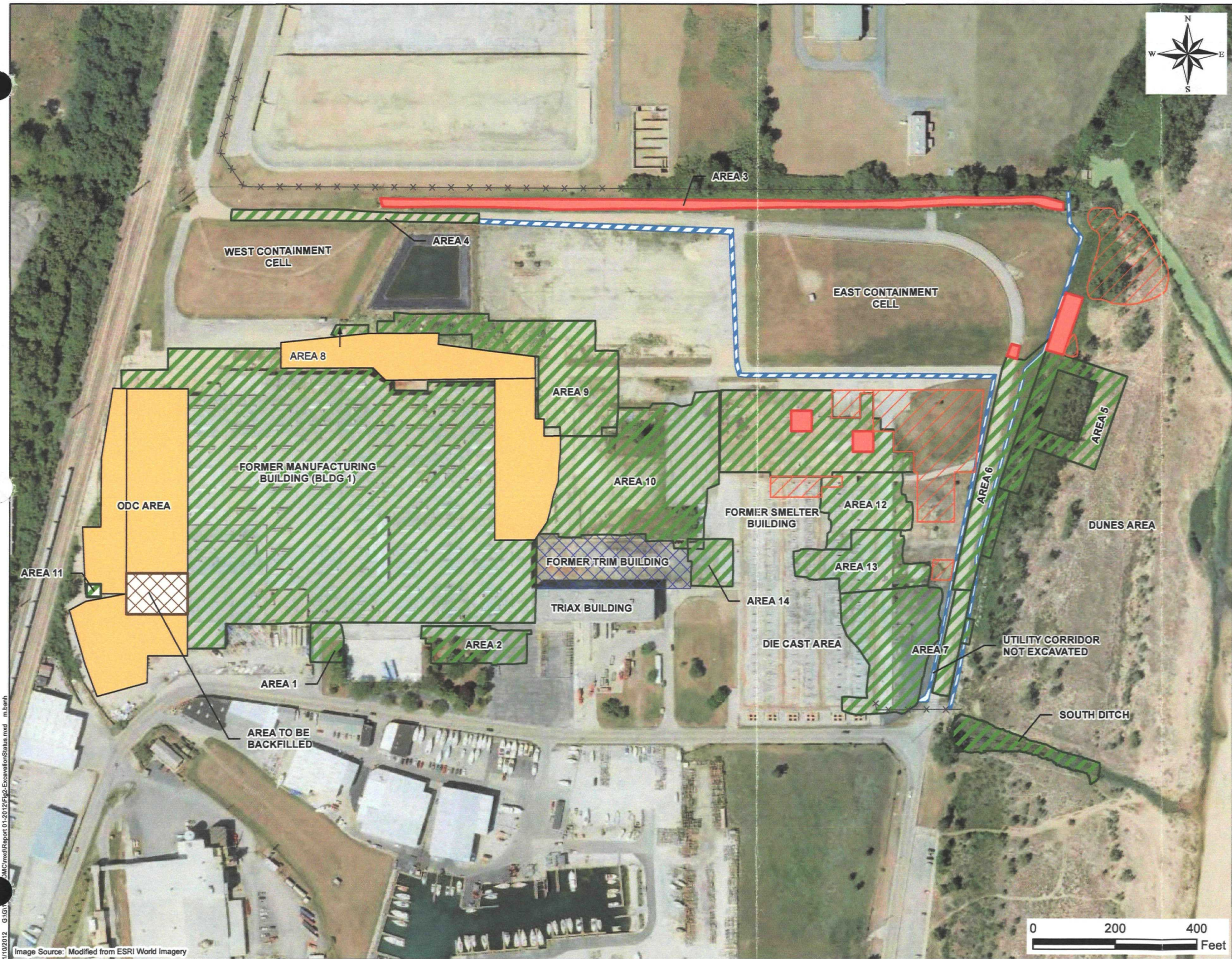
**FIGURE 1**  
SITE LOCATION



Image Source: Modified from ESRI World Street Map

9/15/2011 G:\G18\MOmndSpec\0911\Fig1\_SiteLocation.mxd m.banh





- LEGEND**
- Proposed Excavation Area
  - Remediation Complete
  - Additional Remediation Action Required
  - Additional Remediation Required To Be Conducted By Others
  - Remediation Complete - Backfilled
  - Remediation Complete - Area To Be Backfilled With Crushed Concrete
  - Utility Corridor
  - Fence

Note:  
Scale of excavation and backfill approximate.



OMC PLANT 2 SITE  
WAUKEGAN, ILLINOIS

**FIGURE 2**  
SITE LAYOUT



1/10/2012 G:\G1\OMC\mxd\Report 01\2012\Fig2-ExcavationStatus.mxd m.barth  
Image Source: Modified from ESRI World Imagery



# PRE-EXISTING TOPO

O.M.C. - WAUKEGAN

BASIS OF BEARINGS:  
NAD 1983 ILLINOIS STATE PLANE, EAST ZONE.

REFERENCE BENCHMARKS:  
NGS MONUMENT - PARK (NG0204)  
TOP OF A COPPER COATED STEEL ROD DRIVEN TO A DEPTH OF 10' LOCATED 160' NORTH OF THE CENTERLINE OF MADISON ST, AND 146.5' WEST OF THE CENTERLINE OF HARBOUR PLACE, ALL IN WAUKEGAN, IL

ELEV.=586.16' REC  
586.28' MEAS

SITE BENCHMARKS:  
JHA CP#1 - IRON ROD W/RED CAP SET 15' NORTHEAST OF A MONITORING WELL (ENCASED BY CONCRETE) AND ON TOP OF THE WEST END OF A BERM.

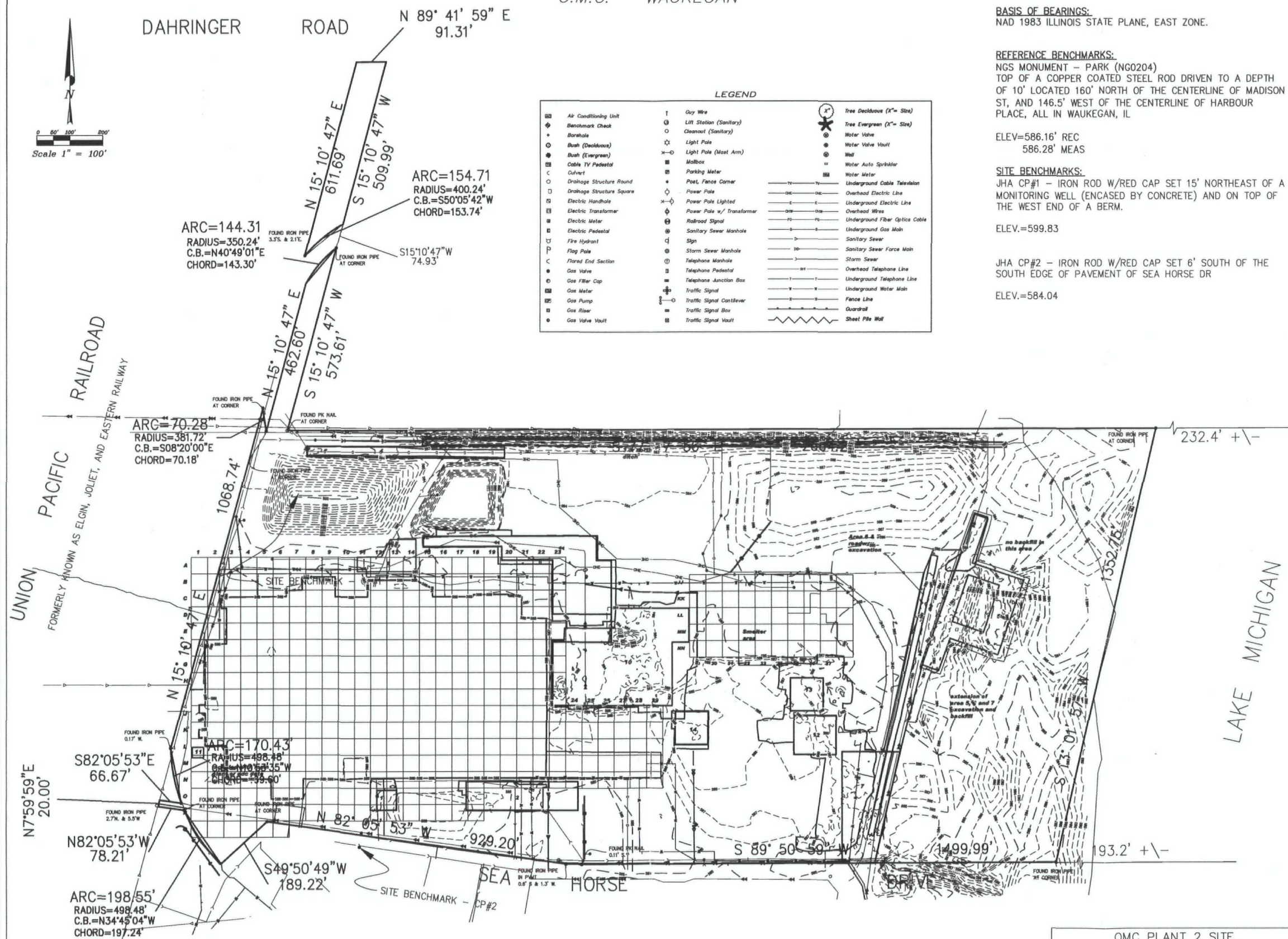
ELEV.=599.83

JHA CP#2 - IRON ROD W/RED CAP SET 6' SOUTH OF THE SOUTH EDGE OF PAVEMENT OF SEA HORSE DR

ELEV.=584.04



LEGEND		
□ Air Conditioning Unit	1 Guy Wire	⊗ Tree Deciduous (X"= Size)
⊕ Benchmark Check	⊙ Lift Station (Sanitary)	⊗ Tree Evergreen (X"= Size)
⊕ Borehole	○ Cleanout (Sanitary)	⊙ Water Valve
⊕ Bush (Deciduous)	⊙ Light Pole	⊙ Water Valve Vault
⊕ Bush (Evergreen)	⊙ Light Pole (Most Arm)	⊙ Well
⊕ Cable TV Pedestal	⊙ Mailbox	⊙ Water Auto Sprinkler
⊕ Culvert	⊙ Parking Meter	⊙ Water Meter
⊕ Drainage Structure Round	⊙ Post, Fence Corner	⊙ Underground Cable Television
⊕ Drainage Structure Square	⊙ Power Pole	⊙ Overhead Electric Line
⊕ Electric Handhole	⊙ Power Pole Lighted	⊙ Underground Electric Line
⊕ Electric Transformer	⊙ Power Pole w/ Transformer	⊙ Overhead Wire
⊕ Electric Meter	⊙ Railroad Signal	⊙ Underground Fiber Optics Cable
⊕ Electric Pedestal	⊙ Sanitary Sewer Manhole	⊙ Underground Gas Main
⊕ Fire Hydrant	⊙ Sign	⊙ Sanitary Sewer
⊕ Flag Pole	⊙ Storm Sewer Manhole	⊙ Sanitary Sewer Force Main
⊕ Flared End Section	⊙ Telephone Manhole	⊙ Storm Sewer
⊕ Gas Valve	⊙ Telephone Pedestal	⊙ Overhead Telephone Line
⊕ Gas Valve Cap	⊙ Telephone Junction Box	⊙ Underground Telephone Line
⊕ Gas Meter	⊙ Traffic Signal	⊙ Underground Water Main
⊕ Gas Pump	⊙ Traffic Signal Cantilever	⊙ Fence Line
⊕ Gas Riser	⊙ Traffic Signal Box	⊙ Quardril
⊕ Gas Valve Vault	⊙ Traffic Signal Vault	⊙ Sheet Pile Wall



## NOTES:

FIELD WORK PERFORMED APRIL 20, 2010.

OMC PLANT 2 SITE  
WAUKEGAN, ILLINOIS

FIGURE 3  
PRE-EXCAVATION TOPOGRAPHY  
APRIL 20, 2010

ST SuITRAC

G:\1852\167 OMC\dwg\Fig3-Pre-Existing Topo.dwg



3:\G\1852\167 NMC\dwg\Fin4-Post-Demo Tono.dwg



FINAL BACK-FILL TOPO

O.M.C. - WAUKEGAN

BASIS OF BEARINGS:  
NAD 1983 ILLINOIS STATE PLANE, EAST ZONE.

REFERENCE BENCHMARKS:  
NGS MONUMENT - PARK (NG0204)  
TOP OF A COPPER COATED STEEL ROD DRIVEN TO A DEPTH  
OF 10' LOCATED 160' NORTH OF THE CENTERLINE OF MADISON  
ST, AND 146.5' WEST OF THE CENTERLINE OF HARBOUR  
PLACE, ALL IN WAUKEGAN, IL

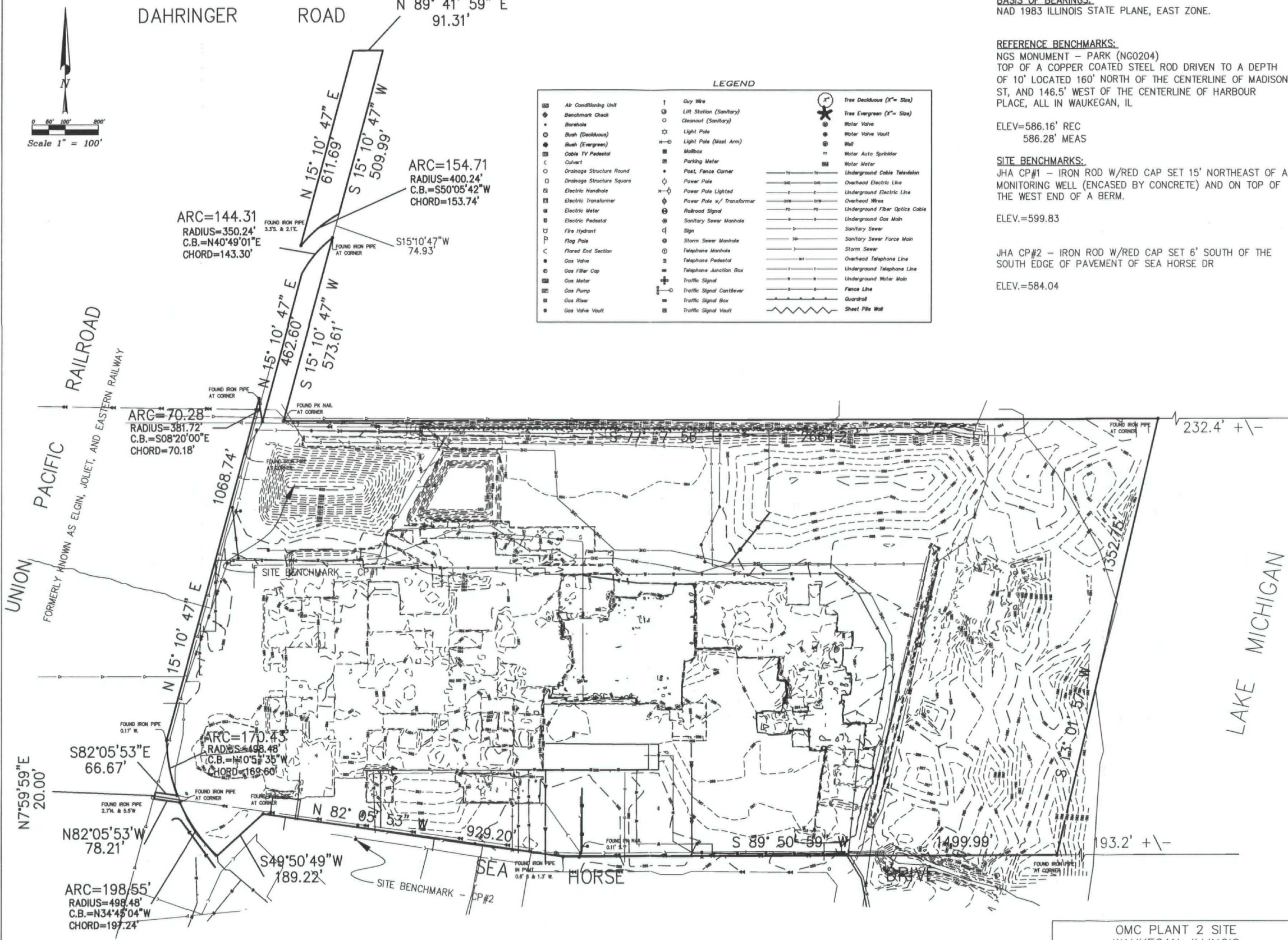
ELEV=586.16' REC  
586.28' MEAS

SITE BENCHMARKS:  
JHA CP#1 - IRON ROD W/RED CAP SET 15' NORTHEAST OF A  
MONITORING WELL (ENCASED BY CONCRETE) AND ON TOP OF  
THE WEST END OF A BERM.

ELEV.=599.83

JHA CP#2 - IRON ROD W/RED CAP SET 6' SOUTH OF THE  
SOUTH EDGE OF PAVEMENT OF SEA HORSE DR

ELEV.=584.04



NOTES:  
FIELD WORK PERFORMED JULY 26, 2011.

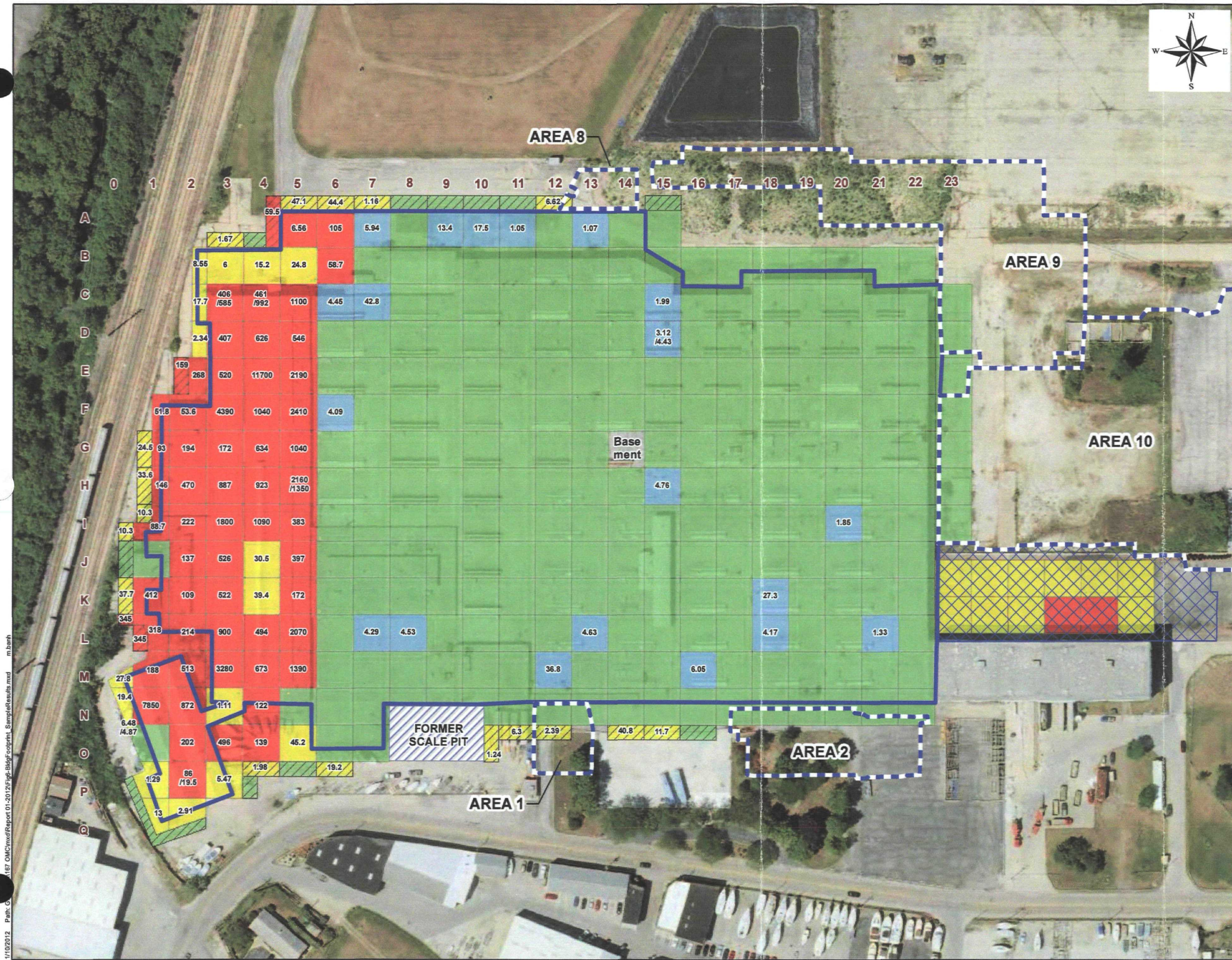
OMC PLANT 2 SITE  
WAUKEGAN, ILLINOIS

FIGURE 5  
POST BACKFILL TOPOGRAPHY  
JULY 26, 2011

ST SuITRAC

G:\1652\167 OMC\dwg\Fig5-Final Back-Fill Topo.dwg





**Legend**

**color**

- Result Below RO
- Result Above RO
- Result Meets RO (below water table)
- Result Above TSCA
- Wall
- Former Building Outline
- Other Area Boundaries
- Additional Remediation Required To Be Conducted By Others

(8.55) PCB results in mg/kg



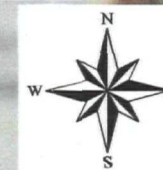
OMC PLANT 2 SITE  
WAUKEGAN, ILLINOIS

**FIGURE 6**  
BUILDING FOOTPRINT  
CONFIRMATION SAMPLE RESULTS

**ST** SuITRAC



FORMER MANUFACTURING BUILDING EXCAVATION



## LEGEND

### Confirmation Sample Results

- Result Below RO
- Result Above RO
- Result Meets RO (below water table)

Area 1 Boundary

Other Area Boundaries

(1.12) PCB results in mg/kg

0 20 40 Feet



OMC PLANT 2 SITE  
WAUKEGAN, ILLINOIS

FIGURE 7  
AREA 1  
CONFIRMATION SAMPLE RESULTS

ST SuITRAC

A1WW-R2

A1NW-R2

1.12

CF-N1-R1

2.53

AIBR2

CF-S1-R1

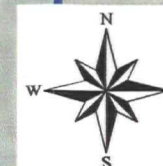
1.92

A1EW

A1SW



FORMER MANUFACTURING BUILDING EXCAVATION



# LEGEND

## Confirmation Sample Results

- NS – Not sampled due to CA-6 water main backfill
- Result Below RO
- Result Above RO
- Result Meets Ro (below water table)

Area 2 Boundary

Other Area Boundaries

Water Service Line

(6.68) PCB results in mg/kg

Note:  
Further excavation of A2NW and A3NW was precluded by presence of active water main.

0 25 50 Feet



OMC PLANT 2 SITE  
WAUKEGAN, ILLINOIS

FIGURE 8  
AREA 2  
CONFIRMATION SAMPLE RESULTS





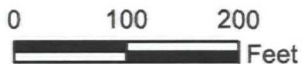


**LEGEND**

**Confirmation Sample Results**

- Result Below RO
- Result Above RO
- Result Above TSCA
- ▭ Area 3 Boundary
- ▭ Other Area Boundaries
- ▭ Additional Remediation Required To Be Conducted By Others
- ▭ East Containment Cell
- ▭ Areas To Be Addressed In Supplemental Phase

(149) PCB Results in mg/kg



OMC PLANT 2 SITE  
WAUKEGAN, ILLINOIS

**FIGURE 9**  
**AREA 3**  
**CONFIRMATION SAMPLE RESULTS**





1/6/2012 G:\G 37 OMC\mxd\Report 01-2012\Fig10-Area4\_SampleResults.mxd m.barh

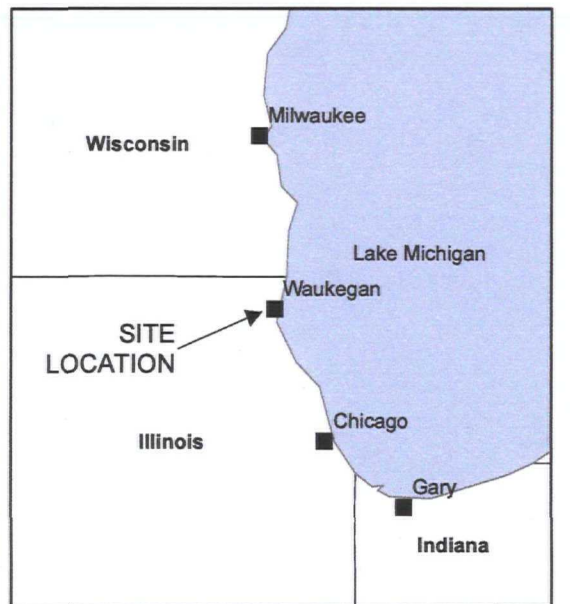
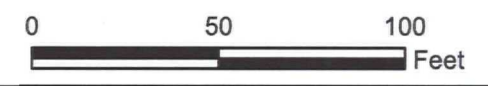


**LEGEND**

**Confirmation Sample Results**

- Result Below RO
- Result Above RO
- Result Above TSCA
- ▭ Area 4 Boundary
- ▨ Area To Be Addressed In Supplemental Phase Of Remediation

(3.04) PCB results in mg/kg



OMC PLANT 2 SITE  
WAUKEGAN, ILLINOIS

**FIGURE 10**  
AREA 4  
CONFIRMATION SAMPLE RESULTS

**ST** SulTRAC





## LEGEND

- Confirmation Sample Results
- Result Below RO
  - Result Above RO
  - Result Meets RO (below water table)
  - Result Above TSCA
- Area 5 Boundary
- Area 5 Re-Excavated
- Other Area Boundaries
- TSCA Cap To Be Installed
- Utility Corridor
- Proposed Excavation Area

(178) PCB results in mg/kg

Note:  
Exceedances in north portion of Area 5 will be addressed in supplemental remediation.

0 50 100  
Feet



OMC PLANT 2 SITE  
WAUKEGAN, ILLINOIS







FIGURE 11  
AREA 5  
CONFIRMATION SAMPLE RESULTS



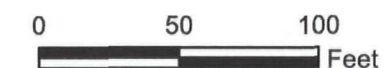




### Confirmation Sample Results

-  Area 6 Boundary
-  Other Area Boundaries
-  Utility Corridor
-  Smelter Slab, Addit'l Remediation Req'd
-  TSCA Cap To Be Installed
-  Proposed Excavation Area

(7.5) PCB results in mg/kg



**FIGURE 12**  
**AREA 6**  
**CONFIRMATION SAMPLE RESULTS**







## LEGEND

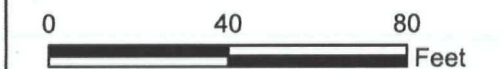
### Confirmation Sample Results

- Result Below RO
- Result Above RO
- Result Meets RO (below water table)

- Area 7 Boundary
- Other Area Boundaries
- Utility Corridor
- A Initial TSCA Excavation

(2.48) PCB Results in mg/kg

Note:  
Area 7 exceedances were not addressed due to presence of high pressure natural gas main.



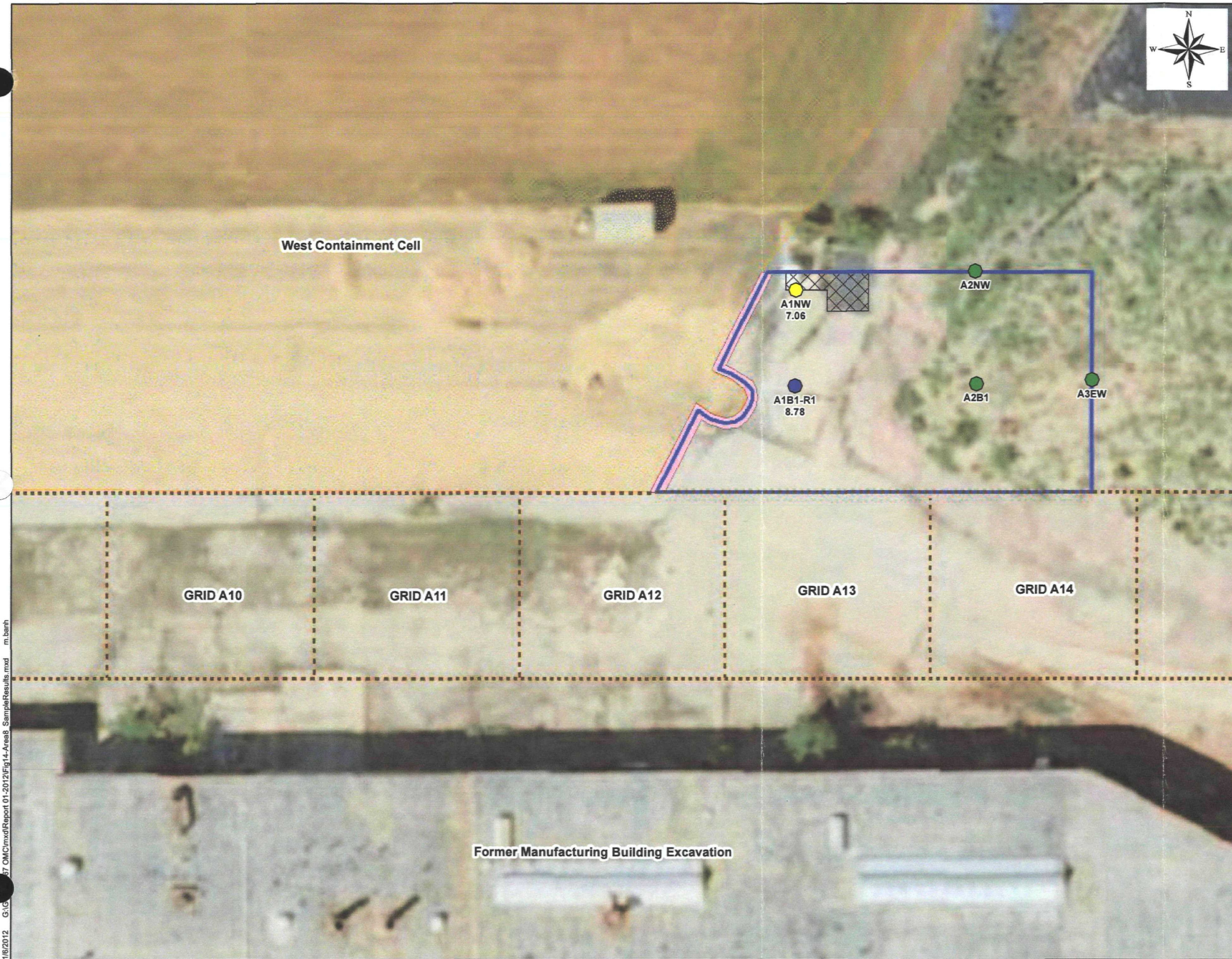
OMC PLANT 2 SITE  
WAUKEGAN, ILLINOIS

**FIGURE 13**  
**AREA 7**  
**CONFIRMATION SAMPLE RESULTS**





1/6/2012 3:57 PM G:\G:\OMC\mxd\Report 01-2012\Fig14-Area8 SampleResults.mxd m.banh



**LEGEND**

**Confirmation Sample Results**

- Result Below RO
- Result Above RO
- Result Meets RO (below water table)

□ Area 8 Boundary

□ Area 8 (material removed)

□ Concrete Structure and Electrical Control

□ Containment Cell Pea Gravel (not sampled)

□ West Containment Cell

(8.78) PCB results in mg/kg

**Note:**  
Further excavation to west and north are precluded by West Containment Cell and associated structures. South end of Area 8 was excavated with Plant 2 grid row A.

0 25 50 Feet

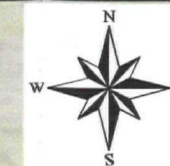
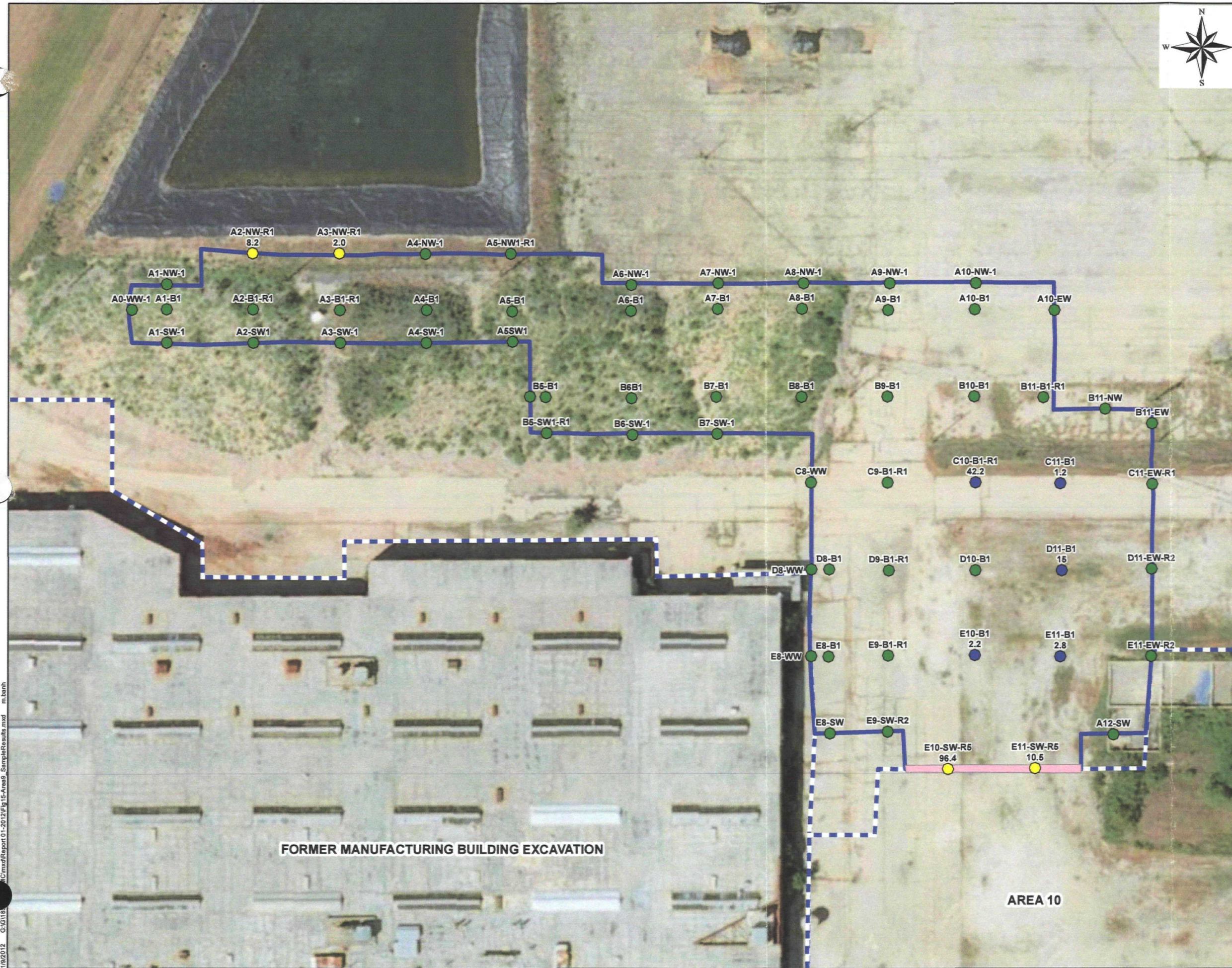


OMC PLANT 2 SITE  
WAUKEGAN, ILLINOIS

**FIGURE 14**  
AREA 8  
CONFIRMATION SAMPLE RESULTS

**ST** SulTRAC





### LEGEND

- Confirmation Sample Results**
- Result Below RO
  - Result Above RO
  - Result Meets RO (below water table)
  - Result Above TSCA
  - ▭ Area 9 Boundary
  - ▭ Other Area Boundaries
  - ▭ Material Removed

(1.2) PCB Results in mg/kg

Note:  
Additional excavation at A2NW-R1 and A3NW-R1 was precluded by presence of retention basin.

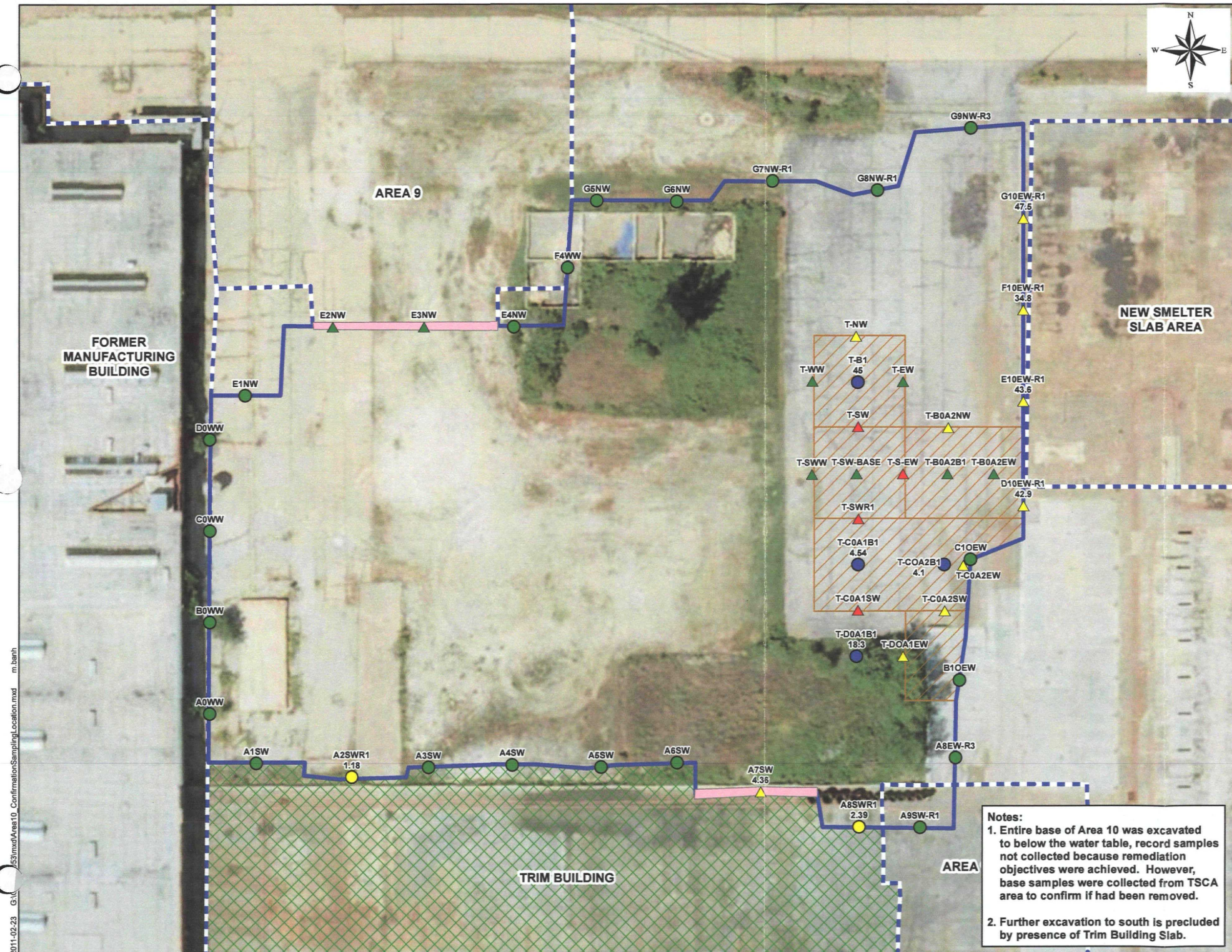


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WAUKEGAN, ILLINOIS

**FIGURE 15**  
**AREA 9**  
**CONFIRMATION SAMPLE RESULTS**







**Legend**

Confirmation Sample Results

- Result Below RO
- Result Above RO
- Result Meets RO (below water table)
- Result Above TSCA
- ▲ Result Below RO Material Removed
- ▲ Result Above RO Material Removed
- ▲ Result Above TSCA Material Removed
- Area 10 Boundary
- Other Area Boundaries
- ▨ Material Removed As TSCA
- ▨ Material Removed
- ▨ Area To Be Addressed By Others After Completion Of Harbor Sediment Remediation Activities

(1.18) PCB results in mg/kg

0 50 100 Feet



**Notes:**

1. Entire base of Area 10 was excavated to below the water table, record samples not collected because remediation objectives were achieved. However, base samples were collected from TSCA area to confirm if had been removed.

2. Further excavation to south is precluded by presence of Trim Building Slab.

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**FIGURE 16**  
AREA 10  
CONFIRMATION SAMPLE RESULTS

**ST** SulTRAC





**LEGEND**

Confirmation Sample Results

- Result Below RO
- Result Above RO
- Result Meets RO (below water table)
- Result Above TSCA
- ▲ Result Below RO Material Removed
- ▲ Result Above RO Material Removed
- ▲ Result Above TSCA Material Removed

Area 12 Boundary

Other Area Boundaries

Initial TSCA Soil Excavation

(1.36) PCB Results in mg/kg

0 25 50 Feet

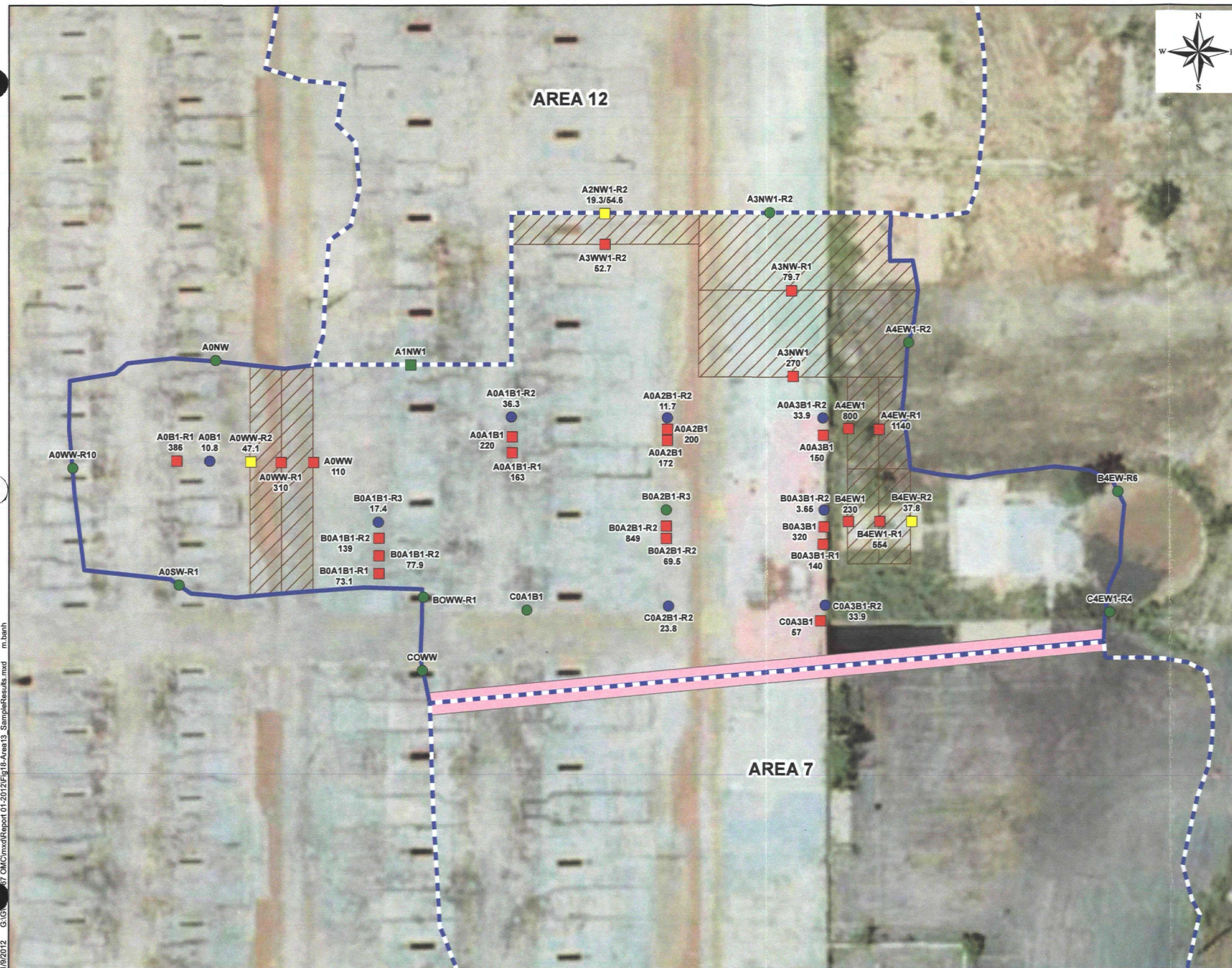


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**FIGURE 17**  
AREA 12  
CONFIRMATION SAMPLE RESULTS

**ST** SulTRAC





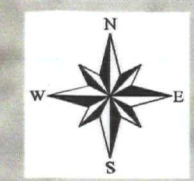
OMC PLANT 2 SITE  
WAUKEGAN, ILLINOIS

**FIGURE 18**  
**AREA 13**  
**CONFIRMATION SAMPLE RESULTS**





1/6/2012 3:15 PM G:\G... 17 OMC\mxd\Report 01-2012\Fig19-Area 14 SampleResults.mxd m\_banh

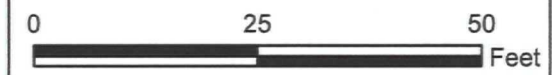


### LEGEND

#### Confirmation Sample Locations

- Results Below RO
- Other Area Boundaries
- Area 14 Boundary

(0.164) PCB Results in mg/kg



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**FIGURE 19**  
**AREA 14**  
CONFIRMATION SAMPLE RESULTS



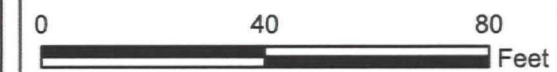




## LEGEND

### Confirmation Sample Results

- Result Below RO
- South Ditch Boundary

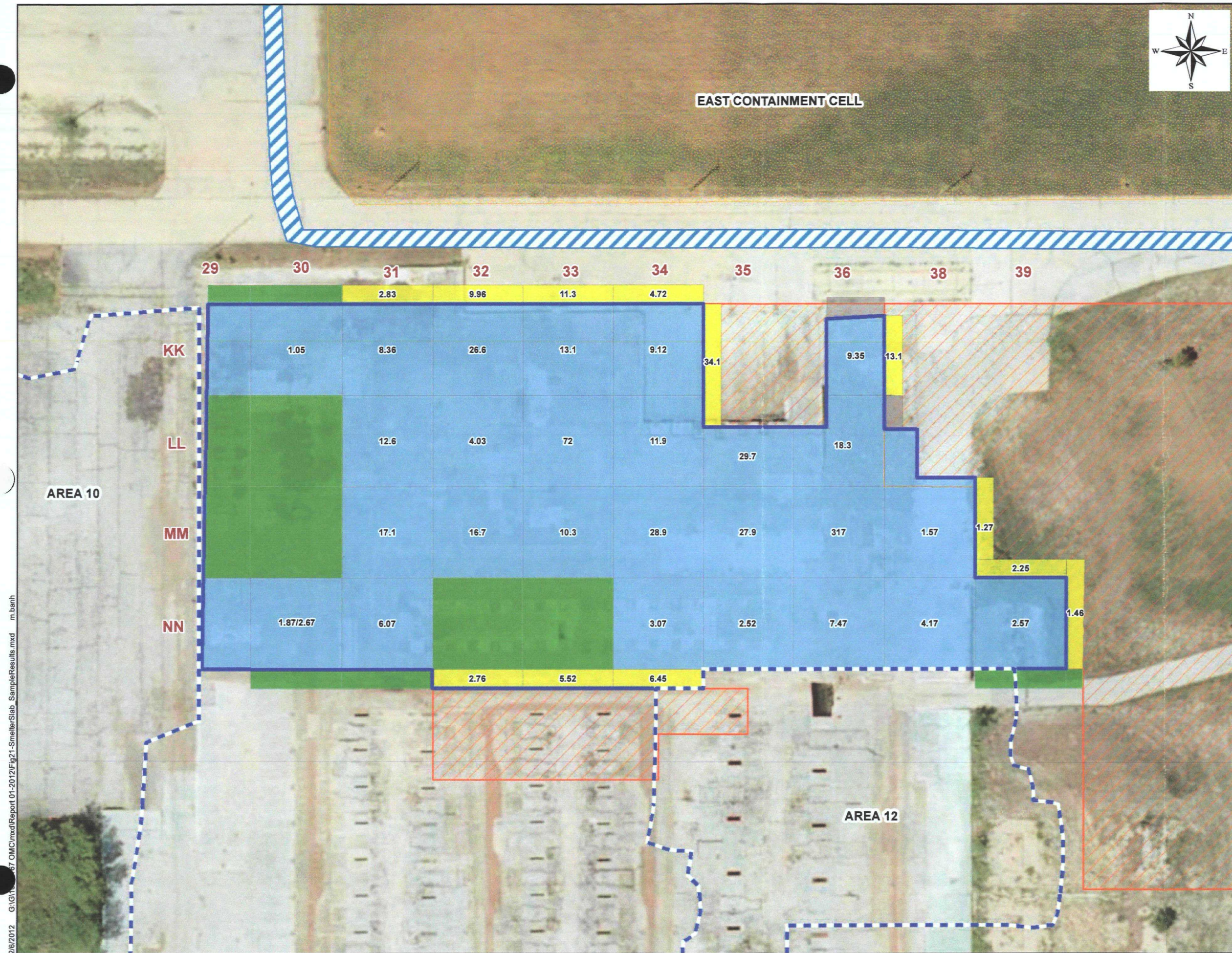


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**FIGURE 20**  
SOUTH DITCH  
CONFIRMATION SAMPLE RESULTS







**LEGEND**  
**Confirmation Sample Results**  
Result Below RO  
Result Above RO  
Result Meets RO (below water table)  
Concrete (not sampled)  
Other Area Boundaries  
Area 12 Boundary  
Utility Corridor  
Area To Be Addressed In Supplemental Phase  
  
(1.05) PCB results in mg/kg

050100

Feet

Wisconsin

Milwaukee

Lake Michigan

Waukegan

Chicago

Gary

Indiana

Illinois

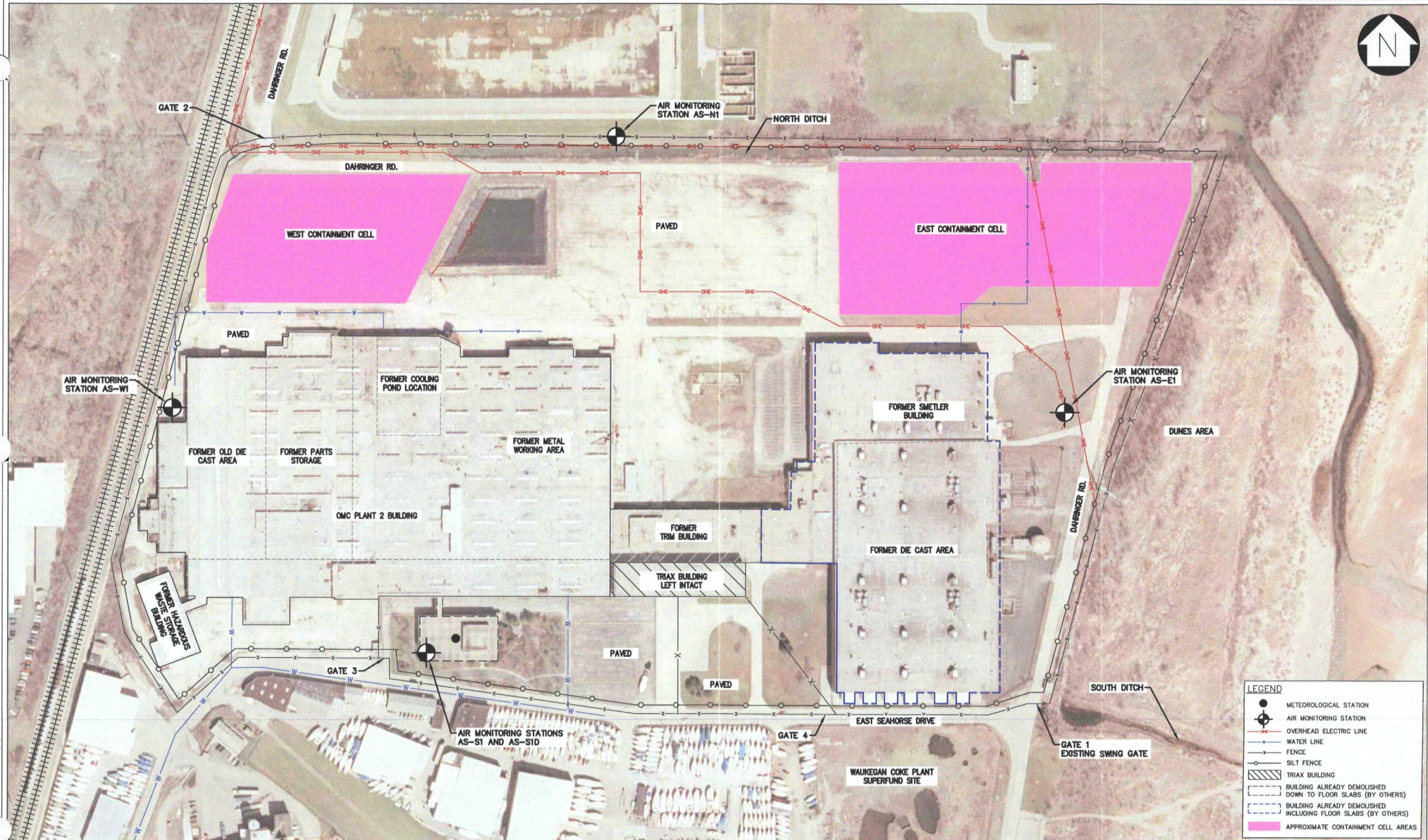
SITE LOCATION

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WAUKEGAN, ILLINOIS

**FIGURE 21**  
SMELTER SLAB AREA  
CONFIRMATION SAMPLE RESULTS

**ST** SulTRAC





7/25/2011

REVISIONS			DESIGNED	DATE
NO.	DATE	DESCRIPTION		

DRAWN	MB
CHECKED	
DATE	



OMC PLANT 2 SITE  
WAUKEGAN, ILLINOIS  
UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
REGION 5

SCALES:  
HORIZONTAL SCALE:  
NA  
VERTICAL SCALE:  
NA

FIGURE 22  
AIR MONITORING STATION LOCATIONS

WORK ASSIGNMENT NO.
DRAWING NO.
SHEET NO.



## **Appendix A**

### **Analytical Results Tables**



TABLE A-1A  
PLANT 2 GRIDS

[illegible]



TABLE A-1A  
PLANT 2 GRIDS  
CONFIRMATION SOIL SAMPLE ANALYTICAL RESULTS FOR POLYCHLORINATED BIPHENOLS (PCB)  
OMC PLANT 2 PHASE II REMEDIAL ACTION

GRID	Status	Sample ID	Samples Shipped	Data Received	PCB (mg/kg)	Sample ID	Samples Shipped	Data Received	PCB (mg/kg)	Sample ID	Samples Shipped	Data Received	PCB (mg/kg)	Sample ID	Samples Shipped	Data Received	PCB (mg/kg)	Sample ID	Samples Shipped	Data Received	PCB (mg/kg)
C08	CONFIRMATION SAMPLE <1ppm	Grid-s-C8-Base-2	4/25/2011	4/29/2011	0.051																
C09	CONFIRMATION SAMPLE <1ppm	Grid-s-C9-Base-2	4/25/2011	4/29/2011	0.616																
C10	CONFIRMATION SAMPLE <1ppm	Grid-S-C10-Base-0	5/12/2011	5/17/2011	1.23	Grid-S-C10-Base-1	6/16/2011	6/21/2011	0.43												
C10	CONFIRMATION SAMPLE <1ppm					Grid-S-C10-Base-1Dup	6/16/2011	6/21/2011	0.877												
C11		Grid-S-C11-Base-0	5/12/2011	5/14/2011	0.3																
C12	CONFIRMATION SAMPLE <1ppm	Grid-CF-C12-0'	11/19/2010	11/30/2010	0.32																
C13		Grid-S-C13-Base-0	5/12/2011	5/17/2011	0.788																
C14	CONFIRMATION SAMPLE <1ppm	Grid-s-C14-Base-4	11/19/2010	11/30/2010	<0.0364																
C15	BELOW H2O TABLE	Grid-s-C15-Base-4	11/19/2010	11/30/2010	1.99																
C16	CONFIRMATION SAMPLE <1ppm	Grid-s-C16-Base-4	11/19/2010	11/30/2010	0.23																
C17	CONFIRMATION SAMPLE <1ppm	Grid-S-C17-0'	10/8/2010	10/14/2010	0.361																
C18	CONFIRMATION SAMPLE <1ppm	Grid-S-C18-0'	10/8/2010	10/14/2010	0.15																
C19	CONFIRMATION SAMPLE <1ppm	Grid-S-C19-0'	10/8/2010	10/14/2010	0.189																
C20	CONFIRMATION SAMPLE <1ppm	Grid-S-C20-0'	10/8/2010	10/14/2010	0.239																
C21	CONFIRMATION SAMPLE <1ppm	C21-BASE-3	1/27/2011	2/1/2011	<.0348																
C22	CONFIRMATION SAMPLE <1ppm	C22-BASE-3	1/27/2011	2/1/2011	0.0811																
C23	CONFIRMATION SAMPLE <1ppm	C23-BASE-3	1/26/2011	1/31/2011	0.0811																
D02	NOT EXCAVATED-UNDER ROAD																				
D03	TSCA - COVERED WITH CRUSHED CONCRETE	D3-BASE-0	2/28/2011	3/8/2011	1620	Grid-S-D3-3	4/21/2011	4/26/2011	407												
D03	No Further Excavation due to West Utilities	GRID-S-D3-WW	4/26/2011	5/4/2011	2.34																
D04	TSCA - COVERED WITH CRUSHED CONCRETE	Grid-S-D4-BASE-3	4/1/2011	4/7/2011	626																
D05	TSCA - COVERED WITH CRUSHED CONCRETE	D5-BASE-0	2/28/2011	3/8/2011	532	Grid-S-D5-BASE-3	4/1/2011	4/7/2011	546												
D06	CONFIRMATION SAMPLE <1ppm	D6-1	12/2/2010	12/8/2010	8.25	D6-BASE-2	1/28/2011	2/2/2011	1.72	D6-BASE-3	2/7/2011	2/10/2011	<.0369								
D07	CONFIRMATION SAMPLE <1ppm	D7-2D	12/2/2010	12/8/2010	16.2					D7-BASE-4-DUP	2/7/2011	2/10/2011	0.193								
D07	CONFIRMATION SAMPLE <1ppm	D7-2	12/2/2010	12/8/2010	11.2	D7-BASE-3	1/28/2011	2/2/2011	1.1	D7-BASE-4	2/7/2011	2/10/2011	0.269								
D08	CONFIRMATION SAMPLE <1ppm	D8-2	12/2/2010	12/8/2010	0.47																
D09	CONFIRMATION SAMPLE <1ppm	D9-2	12/2/2010	12/8/2010	2.42	D9-BASE-3	1/28/2011	2/2/2011	0.903												
D10	CONFIRMATION SAMPLE <1ppm	Grid-CF-D10-0'	11/19/2010	11/30/2010	0.242																
D11	CONFIRMATION SAMPLE <1ppm	Grid-CF-D11-0'	11/19/2010	11/30/2010	0.302																
D12	CONFIRMATION SAMPLE <1ppm	D12-BASE-2	12/14/2010	12/17/2010	0.343																
D13	CONFIRMATION SAMPLE <1ppm	D13-BASE-2	12/14/2010	12/17/2010	0.0847																
D14	CONFIRMATION SAMPLE <1ppm	D14-Base-4	12/15/2010	12/21/2010	0.193																
D15	BELOW H2O TABLE	D15-Base-4	12/15/2010	12/21/2010	4.43																
D15	BELOW H2O TABLE	D15-Base-4-Dup	12/15/2010	12/21/2010	3.12																
D16	CONFIRMATION SAMPLE <1ppm	D16-Base-4	12/15/2010	12/21/2010	0.339																
D17	CONFIRMATION SAMPLE <1ppm	Grid-S-D17-0'	10/8/2010	10/14/2010	0.215																
D18	CONFIRMATION SAMPLE <1ppm	Grid-S-D18-0'	10/8/2010	10/14/2010	0.289																
D19	CONFIRMATION SAMPLE <1ppm	Grid-S-D19-0'	10/8/2010	10/14/2010	0.208																
D20	CONFIRMATION SAMPLE <1ppm	Grid-S-D20-0'	10/8/2010	10/14/2010	0.111																
D21	CONFIRMATION SAMPLE <1ppm	D21-BASE-3	1/26/2011	1/31/2011	0.31																
D22	CONFIRMATION SAMPLE <1ppm	D22-BASE-3	1/26/2011	1/31/2011	0.887																
D23	CONFIRMATION SAMPLE <1ppm	D23-BASE-1 (2')	1/26/2011	1/31/2011	2.92	D23-BASE-2	2/7/2011	2/10/2011	0.18												
D23	CONFIRMATION SAMPLE <1ppm	D23-BASE-1-DUP (2')	1/26/2011	1/31/2011	2.45	NA - dup															
E02	TSCA - COVERED WITH CRUSHED CONCRETE	E2-BASE-0	2/28/2011	3/8/2011	2920	Grid-S-E2-3	4/21/2011	4/26/2011	268												
E02	No Further Excavation due to West Utilities	GRID-S-E2-WW	4/26/2011	5/4/2011	159																
E03	TSCA - COVERED WITH CRUSHED CONCRETE	E3-BASE-0	3/14/2011	3/21/2011	1240	Grid-S-E3-3	4/21/2011	4/26/2011	520												
E04	TSCA - COVERED WITH CRUSHED CONCRETE	E4-BASE-0	3/14/2011	3/21/2011	2170	Grid-S-E4-BASE-3	4/1/2011	4/7/2011	11700												
E05	TSCA - COVERED WITH CRUSHED CONCRETE	E5-BASE-0	2/28/2011	3/8/2011	738	ES-BASE-0	3/14/2011	3/21/2011	1240	Grid-S-E5-BASE-3	4/1/2011	4/7/2011	2190								



TABLE A-1A  
PLANT 2 GRIDS  
CONFIRMATION SOIL SAMPLE ANALYTICAL RESULTS FOR POLYCHLORINATED BIPHENOLS (PCB)  
OMC PLANT 2 PHASE II REMEDIAL ACTION

GRID	Status	Sample ID	Samples Shipped	Data Received	PCB (mg/kg)	Sample ID	Samples Shipped	Data Received	PCB (mg/kg)	Sample ID	Samples Shipped	Data Received	PCB (mg/kg)	Sample ID	Samples Shipped	Data Received	PCB (mg/kg)	Sample ID	Samples Shipped	Data Received	PCB (mg/kg)
E06	CONFIRMATION SAMPLE <1ppm	E6-2	12/2/2010	12/8/2010	68.3	E6-BASE-3	12/20/2010	12/30/2010	0.0995												
E07	CONFIRMATION SAMPLE <1ppm	E7-2	12/2/2010	12/8/2010	5.28	E7-BASE-3	1/28/2011	2/2/2011	0.544												
E08	CONFIRMATION SAMPLE <1ppm	E8-2	12/2/2010	12/8/2010	5.37	E8-BASE-3	1/28/2011	2/2/2011	0.88												
E09	CONFIRMATION SAMPLE <1ppm	E9-1	12/2/2010	12/8/2010	0.192																
E10	CONFIRMATION SAMPLE <1ppm	Grid-CF-E10-0'	11/19/2010	11/30/2010	0.189																
E11	CONFIRMATION SAMPLE <1ppm	Grid-CF-E11-0'	11/19/2010	11/30/2010	0.342																
E12	CONFIRMATION SAMPLE <1ppm	E12-BASE-2	12/14/2010	12/17/2010	0.369																
E13	CONFIRMATION SAMPLE <1ppm	E13-BASE-2	12/14/2010	12/17/2010	0.0806																
E14	CONFIRMATION SAMPLE <1ppm	E14-BASE-2	12/14/2010	12/17/2010	0.112																
E15	CONFIRMATION SAMPLE <1ppm	E15-BASE-1	12/15/2010	12/21/2010	0.161																
E16	CONFIRMATION SAMPLE <1ppm	E16-BASE-1	12/15/2010	12/21/2010	<.0343																
E17	CONFIRMATION SAMPLE <1ppm	Grid-S-E17-0'	10/8/2010	10/14/2010	0.315																
E18	CONFIRMATION SAMPLE <1ppm	Grid-S-E18-0'	10/8/2010	10/14/2010	0.256																
E19	CONFIRMATION SAMPLE <1ppm	Grid-S-E19-0'	10/8/2010	10/14/2010	0.221																
E20	CONFIRMATION SAMPLE <1ppm	E20-BASE-3	12/22/2010	1/3/2011	0.0623																
E21	CONFIRMATION SAMPLE <1ppm	E21-BASE-3-DUP	1/24/2011	1/28/2011	0.156																
E21	CONFIRMATION SAMPLE <1ppm	E21-BASE-3	1/24/2011	1/28/2011	0.145																
E22	CONFIRMATION SAMPLE <1ppm	E22-BASE-3	1/24/2011	1/28/2011	0.0718																
E23	CONFIRMATION SAMPLE <1ppm	E23-BASE-3	1/25/2011	1/28/2011	0.186																
F01	TSCA - COVERED WITH CRUSHED CONCRETE	Grid-S-F1-BASE-3	4/26/2011	5/4/2011	51.8																
F02	TSCA - COVERED WITH CRUSHED CONCRETE	F2-BASE-0	3/14/2011	3/21/2011	930	Grid-S-F2-3	4/21/2011	4/26/2011	53.6												
F03	TSCA - COVERED WITH CRUSHED CONCRETE	Grid-S-F3-3	4/21/2011	4/26/2011	4390																
F04	TSCA - COVERED WITH CRUSHED CONCRETE	Grid-S-F4-BASE-3	4/1/2011	4/7/2011	1040																
F05	TSCA - COVERED WITH CRUSHED CONCRETE	Grid-S-F5-BASE-3	4/1/2011	4/7/2011	2410																
F06	BELOW H2O TABLE	F6-4	12/2/2010	12/8/2010	4.09																
F07	CONFIRMATION SAMPLE <1ppm	F7-2	12/2/2010	12/8/2010	73.6	F7-3	2/17/2011	2/23/2011	0.0773												
F08	CONFIRMATION SAMPLE <1ppm	F8-1	12/2/2010	12/8/2010	13.4	F8-BASE-2	1/28/2011	2/2/2011	<.0410												
F09	CONFIRMATION SAMPLE <1ppm	F9-1	12/2/2010	12/8/2010	0.493																
F10	CONFIRMATION SAMPLE <1ppm	Grid-CF-F10-0'	11/19/2010	11/30/2010	0.244																
F11	CONFIRMATION SAMPLE <1ppm	Grid-CF-F11-0'	11/19/2010	11/30/2010	0.461																
F12	CONFIRMATION SAMPLE <1ppm	F12-BASE-2	12/14/2010	12/17/2010	0.0493																
F13	CONFIRMATION SAMPLE <1ppm	F13-BASE-3	12/14/2010	12/17/2010	0.35																
F14	CONFIRMATION SAMPLE <1ppm	F14-BASE-3	12/14/2010	12/17/2010	0.339																
F15	CONFIRMATION SAMPLE <1ppm	F15-BASE-3	12/15/2010	12/21/2010	<.0359																
F16	CONFIRMATION SAMPLE <1ppm	F16-base-1	12/16/2010	12/22/2010	0.0729																
F17	CONFIRMATION SAMPLE <1ppm	F17-BASE-3	12/20/2010	12/30/2010	0.0421																
F17	CONFIRMATION SAMPLE <1ppm	F17-BASE-3	12/22/2010	1/3/2011	0.0421																
F18	CONFIRMATION SAMPLE <1ppm	F18-BASE-3	12/20/2010	12/30/2010	0.0552																
F18	CONFIRMATION SAMPLE <1ppm	F18-BASE-3-DUP	12/20/2010	12/30/2010	0.0546																
F19	CONFIRMATION SAMPLE <1ppm	F19-BASE-1	12/21/2010	1/4/2011	0.0784																
F20	CONFIRMATION SAMPLE <1ppm	F20-BASE-1	12/21/2010	1/4/2011	0.0888																
F21	CONFIRMATION SAMPLE <1ppm	F21-BASE-3	12/22/2010	1/3/2011	0.0488																
F22	CONFIRMATION SAMPLE <1ppm	F22-BASE-3	12/22/2010	1/3/2011	0.0432																
F23	CONFIRMATION SAMPLE <1ppm	F23-BASE-3	12/21/2010	1/4/2011	0.423																



TABLE A-1A  
PLANT 2 GRIDS  
CONFIRMATION SOIL SAMPLE ANALYTICAL RESULTS FOR POLYCHLORINATED BIPHENOLS (PCB)  
OMC PLANT 2 PHASE II REMEDIAL ACTION

GRID	Status	Sample ID	Samples Shipped	Data Received	PCB (mg/kg)	Sample ID	Samples Shipped	Data Received	PCB (mg/kg)	Sample ID	Samples Shipped	Data Received	PCB (mg/kg)	Sample ID	Samples Shipped	Data Received	PCB (mg/kg)	Sample ID	Samples Shipped	Data Received	PCB (mg/kg)
G01	TSCA - COVERED WITH CRUSHED CONCRETE	Grid-S-G1-BASE-3	4/26/2011	5/4/2011	93																
G01	No Further Excavation due to West Utilities	GRID-S-G1-WW	4/26/2011	5/4/2011	24.5																
G02	TSCA - COVERED WITH CRUSHED CONCRETE	Grid-S-G2-3	4/21/2011	4/26/2011	194																
G03	TSCA - COVERED WITH CRUSHED CONCRETE	G3-BASE-0	3/14/2011	3/21/2011	1140	Grid-S-G3-3	4/21/2011	4/26/2011	172												
G04	TSCA - COVERED WITH CRUSHED CONCRETE	G4-BASE-0	2/28/2011	3/8/2011	21000	Grid-S-G4-BASE-3	4/1/2011	4/7/2011	634												
G05	TSCA - COVERED WITH CRUSHED CONCRETE	G5-BASE-0-DUP	3/14/2011	3/21/2011	5180																
G05	TSCA - COVERED WITH CRUSHED CONCRETE	G5-BASE-0	3/14/2011	3/21/2011	2520	GRID-S-G5-BASE-3	4/1/2011	4/7/2011	1040												
G06	CONFIRMATION SAMPLE <1ppm	G6-1	11/30/2010	12/8/2010	3.03	G6BASE-2	1/31/2011	2/7/2011	<0.0364												
G06	CONFIRMATION SAMPLE <1ppm					G6-BASE-2DUP	1/31/2011	2/7/2011	<0.0375												
G07	CONFIRMATION SAMPLE <1ppm	G7-1	12/6/2010	12/9/2010	0.153																
G08	CONFIRMATION SAMPLE <1ppm	G8-1	12/6/2010	12/9/2010	0.496																
G09	CONFIRMATION SAMPLE <1ppm	Grid-CF-G9-0'	11/18/2010	11/24/2010	0.267																
G10	CONFIRMATION SAMPLE <1ppm	Grid-CF-G10-0'	11/18/2010	11/24/2010	0.0309																
G11	CONFIRMATION SAMPLE <1ppm	Grid-CF-G11-0'	11/18/2010	11/24/2010	0.251																
G12	CONFIRMATION SAMPLE <1ppm	G12-BASE-3	12/14/2010	12/17/2010	0.264																
G13	CONFIRMATION SAMPLE <1ppm	G13-BASE-3	12/14/2010	12/17/2010	0.941																
G13	CONFIRMATION SAMPLE <1ppm	G13-BASE-3-DUP	12/14/2010	12/17/2010	0.872																
G14	BASEMENT																				
G15	CONFIRMATION SAMPLE <1ppm	G15-BASE-3	12/16/2010	12/22/2010	0.231																
G16	CONFIRMATION SAMPLE <1ppm	G16-BASE-3	12/17/2010	12/23/2010	0.217																
G17	CONFIRMATION SAMPLE <1ppm	G17-BASE-1	12/17/2010	12/23/2010	0.0409																
G18	CONFIRMATION SAMPLE <1ppm	G18-BASE-1	12/20/2010	12/30/2010	0.222																
G19	CONFIRMATION SAMPLE <1ppm	G19-BASE-1	12/21/2010	1/4/2011	0.307																
G20	CONFIRMATION SAMPLE <1ppm	G20-BASE-1	12/21/2010	1/4/2011	0.0506																
G21	CONFIRMATION SAMPLE <1ppm	G21-BASE-2	12/22/2010	1/3/2011	LOC-PASS																
G21	CONFIRMATION SAMPLE <1ppm	G21-BASE-2	12/21/2010	1/4/2011	0.373																
G22	CONFIRMATION SAMPLE <1ppm	G22-BASE-1	12/21/2010	1/4/2011	25.1	G22-BASE-2	1/26/2011	1/31/2011	0.46												
G22	CONFIRMATION SAMPLE <1ppm	G22-BASE-1-DUP	12/21/2010	1/4/2011	22.8																
G23	CONFIRMATION SAMPLE <1ppm	G23-BASE-1	12/21/2010	1/4/2011	0.0567																
H01	TSCA - COVERED WITH CRUSHED CONCRETE	Grid-S-H1-BASE-3	4/26/2011	5/4/2011	146																
H01	No Further Excavation due to West Utilities	GRID-S-H1-WW	4/26/2011	5/4/2011	33.6																
H02	TSCA - COVERED WITH CRUSHED CONCRETE	H2-BASE-0	3/14/2011	3/21/2011	419	Grid-S-H2-3	4/21/2011	4/26/2011	470												
H03	TSCA - COVERED WITH CRUSHED CONCRETE	Grid-S-H3-3	4/21/2011	4/26/2011	887																
H04	TSCA - COVERED WITH CRUSHED CONCRETE	H4-BASE-0	3/14/2011	3/21/2011	517	GRID-S-H4-BASE-3	4/1/2011	4/7/2011	923												
H05	TSCA - COVERED WITH CRUSHED CONCRETE	H5-BASE-0	2/28/2011	3/8/2011	1680	GRID-S-H5-BASE-3	4/1/2011	4/7/2011	2160												
H06	CONFIRMATION SAMPLE <1ppm	H6-1	11/30/2010	12/8/2010	0.342	GRID-S-H5-BASE-3DUP	4/1/2011	4/7/2011	1350												
H07	CONFIRMATION SAMPLE <1ppm	H7-1	12/6/2010	12/9/2010	0.113																
H08	CONFIRMATION SAMPLE <1ppm	H8-1	12/6/2010	12/9/2010	0.194																
H09	CONCRETE PAD	H9 Paved - no sample																			
H10	CONFIRMATION SAMPLE <1ppm	H10-2	12/7/2010	12/10/2010	<0.0332																
H11	CONFIRMATION SAMPLE <1ppm	H11-2-DUP	12/7/2010	12/10/2010	0.134																
H11	CONFIRMATION SAMPLE <1ppm	H11-2	12/7/2010	12/10/2010	0.127																
H12	CONFIRMATION SAMPLE <1ppm	H12-BASE-3	12/14/2010	12/17/2010	0.0551																
H13	CONFIRMATION SAMPLE <1ppm	H13-BASE-3	12/14/2010	12/17/2010	0.143																
H14	CONFIRMATION SAMPLE <1ppm	Grid H14-EW	10/1/2010	10/6/2010	<.163																
H14	CONFIRMATION SAMPLE <1ppm	H14-BASE-3-DUP	12/14/2010	12/17/2010	<.0378																
H14	CONFIRMATION SAMPLE <1ppm	H14-BASE-3	12/14/2010	12/17/2010	<.0371																
H15	BELOW H2O TABLE	H15-Base-4	12/15/2010	12/21/2010	4.76																
H16	CONFIRMATION SAMPLE <1ppm	H16-Base-4	12/15/2010	12/21/2010	0.276																
H17	CONFIRMATION SAMPLE <1ppm	H17-BASE-3	12/17/2010	12/23/2010	0.154																
H18	CONFIRMATION SAMPLE <1ppm	H18-BASE-3	12/17/2010	12/23/2010	0.23																
H19	CONFIRMATION SAMPLE <1ppm	H19-BASE-2	12/20/2010	12/30/2010	0.0321																
H20	CONFIRMATION SAMPLE <1ppm	H20-BASE-2	12/21/2010	1/4/2011	21.1	H20-BASE-3	1/24/2011	1/28/2011	2.77	H20-BASE-4	1/31/2011	2/7/2011	<0.0367								
H21	CONFIRMATION SAMPLE <1ppm	H21-BASE-3	12/21/2010	1/4/2011	0.284																
H22	CONFIRMATION SAMPLE <1ppm	H22-BASE-1	12/21/2010	1/4/2011	0.209																
H23	CONFIRMATION SAMPLE <1ppm	H23-BASE-1	12/21/2010	1/4/2011	<0.0517																



TABLE A-1A  
PLANT 2 GRIDS  
CONFIRMATION SOIL SAMPLE ANALYTICAL RESULTS FOR POLYCHLORINATED BIPHENOLS (PCB)  
OMC PLANT 2 PHASE II REMEDIAL ACTION

GRID	Status	Sample ID	Samples Shipped	Data Received	PCB (mg/kg)	Sample ID	Samples Shipped	Data Received	PCB (mg/kg)	Sample ID	Samples Shipped	Data Received	PCB (mg/kg)	Sample ID	Samples Shipped	Data Received	PCB (mg/kg)	Sample ID	Samples Shipped	Data Received	PCB (mg/kg)
I01	TSCA - COVERED WITH CRUSHED CONCRETE	Grid-S-I1-BASE-3	4/26/2011	5/4/2011	88.7																
I01	No Further Excavation due to West Utilities	GRID-S-I1-WW	4/26/2011	5/4/2011	10.3																
I02	TSCA - COVERED WITH CRUSHED CONCRETE	I2-Base-0	3/1/2011	3/8/2011	70.1	Grid-S-I2-3	4/21/2011	4/26/2011	222												
I03	TSCA - COVERED WITH CRUSHED CONCRETE	Grid-S-I3-3	4/21/2011	4/26/2011	1800																
I04	TSCA - COVERED WITH CRUSHED CONCRETE	I4-BASE-0	3/14/2011	3/21/2011	473	GRID-S-I4-BASE-3	4/1/2011	4/7/2011	1090												
I05	TSCA - COVERED WITH CRUSHED CONCRETE	I5-BASE-0	3/14/2011	3/21/2011	1930	GRID-S-I5-BASE-3	4/1/2011	4/7/2011	383												
I06	CONFIRMATION SAMPLE <1ppm	I6-1	11/30/2010	12/8/2010	0.0504																
I07	CONFIRMATION SAMPLE <1ppm	I7-1	12/6/2010	12/9/2010	1.33	I7-BASE-2	1/31/2011	2/7/2011	0.0331												
I08	CONFIRMATION SAMPLE <1ppm	I8-1	12/6/2010	12/9/2010	0.679																
I09	CONFIRMATION SAMPLE <1ppm	Grid-S-I9-Base-0	5/12/2011	5/17/2011	0.127																
I10	CONFIRMATION SAMPLE <1ppm	I10-2	12/7/2010	12/10/2010	<0.0330																
I11	CONFIRMATION SAMPLE <1ppm	I11-Base-2	12/3/2010	12/8/2010	0.0588																
I12	CONFIRMATION SAMPLE <1ppm	I12-2	12/2/2010	12/8/2010	0.243																
I13	CONFIRMATION SAMPLE <1ppm	I13-3	12/2/2010	12/8/2010	0.133																
I14	CONFIRMATION SAMPLE <1ppm	I14-3	12/2/2010	12/8/2010	0.128																
I15	CONFIRMATION SAMPLE <1ppm	I15-4	12/2/2010	12/8/2010	0.494																
I16	CONFIRMATION SAMPLE <1ppm	I16-4	12/2/2010	12/8/2010	0.358																
I17	CONFIRMATION SAMPLE <1ppm	I17-BASE-1	12/16/2010	12/22/2010	2.29	I17-BASE-2	1/25/2011	1/28/2011	0.0324												
I17	CONFIRMATION SAMPLE <1ppm	I17-BASE-1-DUP	12/16/2010	12/22/2010	1.75																
I18	CONFIRMATION SAMPLE <1ppm	I18-BASE-4	12/16/2010	12/22/2010	0.263																
I19	CONFIRMATION SAMPLE <1ppm	Grid I19-Base 3'	10/1/2010	10/6/2010	54.6	I19-Base-4	12/10/2010	12/15/2010	0.111	I19-SouthBase	12/10/2010	12/15/2010	0.17								
I19	CONFIRMATION SAMPLE <1ppm	Grid I19-NW-2'	10/1/2010	10/6/2010	0.177																
I19	CONFIRMATION SAMPLE <1ppm	I19-EW	12/10/2010	12/15/2010	0.478																
I19	CONFIRMATION SAMPLE <1ppm	Grid I19-WW-3'	10/1/2010	10/6/2010	9.27	I19-WW	12/10/2010	12/15/2010	0.0671												
I19	REMOVED WITH ADJACENT GRID	Grid I19-NW-3'	10/1/2010	10/6/2010	11.4	I19-NW	12/10/2010	12/15/2010	6.56												
I19	CONFIRMATION SAMPLE <1ppm	Grid I19-EW	12/10/2010	12/15/2010	0.478																
I19	CONFIRMATION SAMPLE <1ppm	Grid I19-SouthBase	12/10/2010	12/15/2010	0.17																
I20	BELOW H2O TABLE	I20-BASE-2	12/20/2010	12/30/2010	15.8	I20-BASE-3	1/24/2011	1/28/2011	3.34	I20-BASE-4	1/31/2011	2/7/2011	1.85								
I21	CONFIRMATION SAMPLE <1ppm	I21-BASE-2	12/20/2010	12/30/2010	41.2	I21-BASE-3	1/24/2011	1/28/2011	2.34	I21-BASE-4	1/31/2011	2/7/2011	0.113								
I22	CONFIRMATION SAMPLE <1ppm	I22-BASE-2	12/20/2010	12/30/2010	0.449																
I23	CONFIRMATION SAMPLE <1ppm	I23-BASE-1	12/21/2010	1/4/2011	1.11	I23-BASE-2	1/26/2011	1/31/2011	<0.0327												
I23	CONFIRMATION SAMPLE <1ppm					I23-BASE-2-DUP	1/26/2011	1/31/2011	<0.0323												
J01	CONFIRMATION SAMPLE <1ppm	Grid-S-J1-BASE-3	4/26/2011	5/4/2011	0.915																
J01	CONFIRMATION SAMPLE <1ppm	GRID-S-J1WW	4/26/2011	5/4/2011	0.444																
J02	TSCA - COVERED WITH CRUSHED CONCRETE	J2-Base-0-Dup	3/1/2011	3/8/2011	498																
J02	TSCA - COVERED WITH CRUSHED CONCRETE	J2-Base-0	3/1/2011	3/8/2011	483	Grid-S-J2-3	4/21/2011	4/26/2011	137												
J03	TSCA - COVERED WITH CRUSHED CONCRETE	J3-BASE-0	3/14/2011	3/21/2011	1120																
J03	TSCA - COVERED WITH CRUSHED CONCRETE	J3-BASE-0-DUP	3/14/2011	3/21/2011	1110	GRID-S-J3-BASE-3	4/1/2011	4/7/2011	526												
J04	COVERED WITH CRUSHED CONCRETE	J4-BASE-0	3/14/2011	3/21/2011	874	GRID-S-J4-BASE-3	4/1/2011	4/7/2011	30.5												
J05	TSCA - COVERED WITH CRUSHED CONCRETE	GRID-S-J5-BASE-3	4/1/2011	4/7/2011	397																
J06	CONFIRMATION SAMPLE <1ppm	J7-4 (J6)	11/29/2010	12/6/2010	<0.0374																
J07	CONFIRMATION SAMPLE <1ppm	J7-1	12/7/2010	12/10/2010	0.623																
J08	CONFIRMATION SAMPLE <1ppm	J8-1	12/7/2010	12/10/2010	1.48	J8-BASE-2	1/31/2011	2/7/2011	0.0609												
J09	CONFIRMATION SAMPLE <1ppm	Grid-CF-J9-0'	11/18/2010	11/24/2010	0.39																
J10	CONFIRMATION SAMPLE <1ppm	J10-2	12/7/2010	12/10/2010	0.0408																
J11	CONFIRMATION SAMPLE <1ppm	J11-Base-2	12/3/2010	12/8/2010	0.284																
J12	CONFIRMATION SAMPLE <1ppm	J12-2	12/2/2010	12/8/2010	0.122																
J13	CONFIRMATION SAMPLE <1ppm	J13-3	12/2/2010	12/8/2010	0.137																
J14	CONFIRMATION SAMPLE <1ppm	J14-3	12/2/2010	12/8/2010	0.303																
J15	CONFIRMATION SAMPLE <1ppm	J15-4	12/2/2010	12/8/2010	0.327																
J16	CONFIRMATION SAMPLE <1ppm	J16-4	12/2/2010	12/8/2010	<0.0385																
J17	CONFIRMATION SAMPLE <1ppm	J17-BASE-1	12/16/2010	12/22/2010	4.06	J17-BASE-2	1/25/2011	1/28/2011	0.0476												
J18	CONFIRMATION SAMPLE <1ppm	J18-BASE-2	12/16/2010	12/22/2010	2.5	J18-BASE-3	1/24/2011	1/28/2011	3.02	J18-BASE-4	1/31/2011	2/7/2011	0.402								
J19	CONFIRMATION SAMPLE <1ppm	J19-BASE-4	12/16/2010	12/22/2010	0.0572																
J20	CONFIRMATION SAMPLE <1ppm	J20-BASE-2	12/17/2010	12/23/2010	3.61	J20-BASE-3	1/24/2011	1/28/2011	20.2	J20-BASE-4	1/31/2011	2/7/2011	0.238								
J21	CONFIRMATION SAMPLE <1ppm	J21-BASE-2	12/17/2010	12/23/2010	2.37	J21-BASE-3	1/24/2011	1/28/2011	11.8	J21-BASE-4	1/31/2011	2/7/2011	2.74	J21-BASE-5	2/8/2011	2/14/2011	0.738				
J22	CONFIRMATION SAMPLE <1ppm	J22-BASE-1	12/17/2010	12/23/2010	4.19	J22-BASE-2	1/25/2011	1/28/2011	5.97	J22-BASE-3	2/9/2011	2/16/2011	0.53								



TABLE A-1A  
PLANT 2 GRIDS

GRID	Status	Sample ID	Samples Shipped	Data Received	PCB (mg/kg)	Sample ID	Samples Shipped	Data Received	PCB (mg/kg)	Sample ID	Samples Shipped	Data Received	PCB (mg/kg)	Sample ID	Samples Shipped	Data Received	PCB (mg/kg)	Sample ID	Samples Shipped	Data Received	PCB (mg/kg)
K01	TSCA - COVERED WITH CRUSHED CONCRETE	Grid-S-K1-BASE-3	4/26/2011	5/4/2011	412																
K01	No Further Excavation due to West Utilities	GRID-S-K1-WW	4/26/2011	5/4/2011	37.7																
K02	TSCA - COVERED WITH CRUSHED CONCRETE	K2-BASE-0	3/1/2011	3/8/2011	0.904	Grid-S-K2-3	4/21/2011	4/26/2011	109												
K03	TSCA - COVERED WITH CRUSHED CONCRETE	K3-BASE-0	3/14/2011	3/21/2011	1980	GRID-S-K3-BASE-3	4/1/2011	4/7/2011	522												
K04	TSCA - COVERED WITH CRUSHED CONCRETE	K4-BASE-0	3/14/2011	3/21/2011	348	GRID-S-K4-BASE-3	4/1/2011	4/7/2011	39.4												
K05	TSCA - COVERED WITH CRUSHED CONCRETE	GRID-S-K5-BASE-3	4/1/2011	4/7/2011	172																
K06	CONFIRMATION SAMPLE <1ppm	K7-4 (K6)	11/29/2010	12/6/2010	0.191																
K07	CONFIRMATION SAMPLE <1ppm	K7-1	12/8/2010	12/13/2010	2.63	K7-BASE-2	1/31/2011	2/7/2011	0.143												
K08	CONFIRMATION SAMPLE <1ppm	Grid-S-K8-Base-0	5/12/2011	5/17/2011	0.494																
K09	CONFIRMATION SAMPLE <1ppm	K9-1	12/7/2010	12/10/2010	0.355																
K10	CONFIRMATION SAMPLE <1ppm	K10-2	12/7/2010	12/10/2010	<0.0323																
K11	CONFIRMATION SAMPLE <1ppm	K11-2	12/7/2010	12/10/2010	<0.0341																
K12	CONFIRMATION SAMPLE <1ppm	K12-2	12/7/2010	12/10/2010	0.0991																
K13	CONFIRMATION SAMPLE <1ppm	Grid-CF-K13-0'	11/18/2010	11/24/2010	1.08	K13-BASE-1	12/3/2010	12/8/2010	0.175												
K14	CONFIRMATION SAMPLE <1ppm	K14-BASE-1	12/3/2010	12/8/2010	0.125																
K15	CONFIRMATION SAMPLE <1ppm	K15-BASE-1	12/3/2010	12/8/2010	<1.66																
K16	CONFIRMATION SAMPLE <1ppm	K16-4	12/2/2010	12/8/2010	34	K16-BASE-4	12/21/2010	1/4/2011	0.116												
K17	CONFIRMATION SAMPLE <1ppm	K17-BASE-1	12/10/2010	12/15/2010	14.9	K17-BASE-2	12/22/2010	1/3/2011	26.1	K17-BASE-2	1/25/2011	1/28/2011	0.126	Should be "base-3"							
K18	BELOW H2O TABLE	K18-BASE-1	12/10/2010	12/15/2010	6.1	K18-BASE-2	12/22/2010	1/3/2011	16	K18-BASE-3	1/24/2011	1/28/2011	29	K18-BASE-4	1/31/2011	2/7/2011	1.59	K18-BASE-5	2/8/2011	2/14/2011	27.3
K19	CONFIRMATION SAMPLE <1ppm	K19-BASE-1	12/10/2010	12/15/2010	0.735																
K20	CONFIRMATION SAMPLE <1ppm	K20-BASE-1	12/10/2010	12/15/2010	5.23	K20-BASE-2	1/24/2011	1/28/2011	20.4	K20-BASE-3	1/31/2011	2/7/2011	6.36	K20-BASE-4	2/8/2011	2/14/2011	<0.0374				
K21	CONFIRMATION SAMPLE <1ppm	K21-BASE-1-Dup	12/10/2010	12/15/2010	13.3																
K21	CONFIRMATION SAMPLE <1ppm	K21-BASE-1	12/10/2010	12/15/2010	2.26	K21-BASE-2	1/24/2011	1/28/2011	13.6	K21-BASE-3	1/31/2011	2/7/2011	0.589								
K22	CONFIRMATION SAMPLE <1ppm	K22-BASE-1	12/10/2010	12/15/2010	2.76	K22-BASE-2	1/27/2011	2/1/2011	0.352												
L01	No Further Excavation due to West Utilities	GRID-S-L1-WW	4/26/2011	5/4/2011	345																
L01	TSCA - COVERED WITH CRUSHED CONCRETE	Grid-S-L1-BASE-3	4/26/2011	5/4/2011	318																
L02	TSCA - COVERED WITH CRUSHED CONCRETE	Grid-S-L2-1	4/21/2011	4/26/2011	214																
L03	TSCA - COVERED WITH CRUSHED CONCRETE	GRID-S-L3-BASE-3	4/1/2011	4/7/2011	900																
L04	TSCA - COVERED WITH CRUSHED CONCRETE	L4-BASE-0	3/14/2011	3/21/2011	1800	GRID-S-L4-BASE-3	4/1/2011	4/7/2011	494												
L05	TSCA - COVERED WITH CRUSHED CONCRETE	GRID-S-L5-BASE-3	4/1/2011	4/7/2011	2070																
L06	CONFIRMATION SAMPLE <1ppm	L6-BASE-2	2/8/2011	2/14/2011	0.331																
L07	BELOW H2O TABLE	L7-2	11/29/2010	12/6/2010	2.86	L7-BASE-3	1/31/2011	2/7/2011	4.29												
L08	BELOW H2O TABLE	Grid-S-L8-Base-0	5/12/2011	5/17/2011	11.3	Grid-S-L8-Base-1	6/16/2011	6/21/2011	4.53												
L09	CONFIRMATION SAMPLE <1ppm	L9-1	12/7/2010	12/10/2010	0.0504																
L10	CONFIRMATION SAMPLE <1ppm	L10-1	12/8/2010	12/13/2010	0.206																
L11	CONFIRMATION SAMPLE <1ppm	L11-1	12/6/2010	12/9/2010	0.12																
L12	CONFIRMATION SAMPLE <1ppm	L12-3	12/6/2010	12/9/2010	0.673	L12-BASE-3 (LNAPL stained)	6/8/2011	6/14/2011	37.8												
L13	BELOW H2O TABLE	L13-BASE-3	12/3/2010	12/8/2010	2.22	L13-BASE-4	12/21/2010	1/4/2011	4.63												
L14	CONFIRMATION SAMPLE <1ppm	L14-2	12/2/2010	12/8/2010	0.35																
L15	CONFIRMATION SAMPLE <1ppm	L15-2	12/2/2010	12/8/2010	1.52	L15-BASE-3	12/21/2010	1/4/2011	3.76	L15-BASE-4	1/26/2011	1/31/2011	<0.0374								
L16	CONFIRMATION SAMPLE <1ppm	L16-2	12/2/2010	12/8/2010	20.6	L16-BASE-3	12/21/2010	1/4/2011	<0.0328												
L16	CONFIRMATION SAMPLE <1ppm	L16-2D	12/2/2010	12/8/2010	17.8																
L17	CONFIRMATION SAMPLE <1ppm	L17-BASE-1	12/10/2010	12/15/2010	3.18	L17-BASE-3	12/21/2010	1/4/2011	2.41	L17-BASE-DUP	12/21/2010	1/4/2011	2.74	L17-BASE-4	1/25/2011	1/28/2011	3.19	L17-BASE-5	1/31/2011	2/7/2011	0.217
L18	BELOW H2O TABLE	L18-BASE-1	12/10/2010	12/15/2010	5.62	L18-BASE-2	1/24/2011	1/28/2011	1.65	L18-BASE-3	1/31/2011	2/7/2011	11.6	L18-BASE-4	2/8/2011	2/14/2011	4.17				
L19	CONFIRMATION SAMPLE <1ppm	L19-BASE-3	12/10/2010	12/15/2010	0.683					L18-BASE-3DUP	1/31/2011	2/7/2011	10.2								
L20	CONFIRMATION SAMPLE <1ppm	L20-BASE-1	12/10/2010	12/15/2010	0.893																
L21	BELOW H2O TABLE	L21-BASE-3	12/10/2010	12/15/2010	11.1	L21-BASE-4	1/26/2011	1/31/2011	1.33												
L22	CONFIRMATION SAMPLE <1ppm	L22-BASE-1	12/10/2010	12/15/2010	9.19	L22-BASE-4-DUP	1/25/2011	1/28/2011	0.0892	Should be "base-2"											
L22	CONFIRMATION SAMPLE <1ppm	L22-BASE-1-Dup	12/10/2010	12/15/2010	7.42	L22-BASE-4	1/25/2011	1/28/2011	0.0907	Should be "base-2"											
L23	NOT YET EXCAVATED-TRIM BLDG																				
L24	NOT YET EXCAVATED-TRIM BLDG																				
L25	NOT YET EXCAVATED-TRIM BLDG																				
L26	NOT YET EXCAVATED-TRIM BLDG																				
L27	NOT YET EXCAVATED-TRIM BLDG																				
L28	NOT YET EXCAVATED-TRIM BLDG																				
L29	NOT YET EXCAVATED-TRIM BLDG																				



TABLE A-1A  
PLANT 2 GRIDS

GRID	Status	Sample ID	Samples Shipped	Data Received	PCB (mg/kg)	Sample ID	Samples Shipped	Data Received	PCB (mg/kg)	Sample ID	Samples Shipped	Data Received	PCB (mg/kg)	Sample ID	Samples Shipped	Data Received	PCB (mg/kg)	Sample ID	Samples Shipped	Data Received	PCB (mg/kg)
M01	TSCA - COVERED WITH CRUSHED CONCRETE	Grid-S-M1-2	4/21/2011	4/26/2011	188																
M01	No Further Excavation due to West Utilities	GRID-S-M1-WW	4/26/2011	5/4/2011	27.8																
M02	TSCA - COVERED WITH CRUSHED CONCRETE	Grid-S-M2-2	4/21/2011	4/26/2011	513																
M03	TSCA - COVERED WITH CRUSHED CONCRETE	Grid-S-M3-3	4/21/2011	4/26/2011	3280																
M04		M4-BASE-0	3/4/2011	3/9/2011	7.61	GRID-S-M4-BASE-3	4/1/2011	4/7/2011	673												
M05	TSCA - COVERED WITH CRUSHED CONCRETE	GRID-S-M5-BASE-3	4/1/2011	4/7/2011	1390																
M06	CONFIRMATION SAMPLE <1ppm	M6-2	11/29/2010	12/6/2010	0.0801																
M07	CONFIRMATION SAMPLE <1ppm	M7-3	11/29/2010	12/6/2010	0.52																
M08	CONFIRMATION SAMPLE <1ppm	M8-2	11/29/2010	12/6/2010	0.381																
M09	CONFIRMATION SAMPLE <1ppm	GRID-S-M9-BASE-0	5/5/2011	5/11/2011	22.5	Grid-S-M09-Base-1	6/16/2011	6/21/2011	0.519												
M10	CONFIRMATION SAMPLE <1ppm	M10-1	12/8/2010	12/13/2010	0.347																
M11	CONFIRMATION SAMPLE <1ppm	M11-1	12/6/2010	12/9/2010	0.277																
M12	BELOW H2O TABLE	M12-1	12/6/2010	12/9/2010	9.56	M12-BASE-4	1/26/2011	1/31/2011	36.8												
M13	CONFIRMATION SAMPLE <1ppm	M13-Base-4	12/3/2010	12/8/2010	<0.0367																
M14	CONFIRMATION SAMPLE <1ppm	M14-2	12/2/2010	12/8/2010	7.41	M14-BASE-3	12/21/2010	1/4/2011	0.0545												
M15	CONFIRMATION SAMPLE <1ppm	M15-2	12/2/2010	12/8/2010	8.74	M15-BASE-3	12/21/2010	1/4/2011	0.107												
M16	BELOW H2O TABLE	M16-2	12/2/2010	12/8/2010	96.2	M16-BASE-3	1/26/2011	1/31/2011	1.03	M16-BASE-4	2/7/2011	2/10/2011	6.05								
M17	CONFIRMATION SAMPLE <1ppm	M17-2	12/8/2010	12/13/2010	13.3	M17-BASE-3	12/21/2010	1/4/2011	2.55	M17-BASE-4	1/25/2011	1/28/2011	4.09	M17-BASE-5	1/31/2011	2/7/2011	0.659				
M17	CONFIRMATION SAMPLE <1ppm	M17-2D	12/8/2010	12/13/2010	9.81																
M18	CONFIRMATION SAMPLE <1ppm	M18-3	12/8/2010	12/13/2010	1.6	M18-BASE-4	12/22/2010	1/3/2011	0.357												
M19	CONFIRMATION SAMPLE <1ppm	M19-4	12/8/2010	12/13/2010	6.28	M19-BASE-5	12/22/2010	1/3/2011	0.0547												
M20	CONFIRMATION SAMPLE <1ppm	M20-Base-4	12/10/2010	12/15/2010	0.317																
M21	CONFIRMATION SAMPLE <1ppm	M20-Base-4-Dup	12/10/2010	12/15/2010	0.556																
M22	CONFIRMATION SAMPLE <1ppm	M21-Base-1	12/10/2010	12/15/2010	2.11	M21-BASE-2	1/25/2011	1/28/2011	0.034												
M22	CONFIRMATION SAMPLE <1ppm	M22-Base-1	12/10/2010	12/15/2010	1.14	M22-BASE-2	1/25/2011	1/28/2011	0.653												
M23	NOT YET EXCAVATED-TRIM BLDG																				
M24	NOT YET EXCAVATED-TRIM BLDG																				
M25	NOT YET EXCAVATED-TRIM BLDG																				
M26	NOT YET EXCAVATED-TRIM BLDG																				
M27	NOT YET EXCAVATED-TRIM BLDG																				
M28	NOT YET EXCAVATED-TRIM BLDG																				
N00	COVERED WITH CRUSHED CONCRETE	Grid-S-N0-BASE-1	4/26/2011	5/4/2011	66.9	Grid-S-N0-BASE-1	5/5/2011	5/11/2011	19.4												
N01	TSCA - COVERED WITH CRUSHED CONCRETE	Grid-S-N1-0	4/21/2011	4/26/2011	293	Grid-S-N1-BASE-1	5/5/2011	5/11/2011	7850												
N01	TSCA - COVERED WITH CRUSHED CONCRETE	Grid-S-N1-0 DUP	4/21/2011	4/26/2011	153																
N02	TSCA - COVERED WITH CRUSHED CONCRETE	Grid-S-N2-2	4/21/2011	4/26/2011	87.2																
N03	COVERED WITH CRUSHED CONCRETE	N3-BASE-0	3/14/2011	3/21/2011	2306	Grid-S-N3-BASE-2	4/26/2011	5/4/2011	1.11												
N04	TSCA - COVERED WITH CRUSHED CONCRETE	Grid-S-N4-BASE-0	3/29/2011	4/4/2011	122																
N05	CONFIRMATION SAMPLE <1ppm	Grid-S-N5-BASE-0	3/29/2011	4/4/2011	0.338																
N06	CONFIRMATION SAMPLE <1ppm	N6-BASE-2	1/28/2011	2/2/2011	0.713																
N07	CONFIRMATION SAMPLE <1ppm	N7-BASE-2	1/28/2011	2/2/2011	0.206																
N08	CONFIRMATION SAMPLE <1ppm	N8-BASE-2	1/28/2011	2/2/2011	0.624																
N09	CONFIRMATION SAMPLE <1ppm	GRID-S-N9-BASE-0	5/5/2011	5/11/2011	16	Grid-S-N9-Base-0 (SB 1)	5/12/2011	5/17/2011	1.34	Grid-S-N09-Base-1	6/16/2011	6/21/2011	<0.0384								
N10	CONFIRMATION SAMPLE <1ppm	GRID-S-N10-SW	5/5/2011	5/11/2011	0.222																
N10	CONFIRMATION SAMPLE <1ppm	GRID-S-N10-SW-DUP	5/5/2011	5/11/2011	0.17																
N10	CONFIRMATION SAMPLE <1ppm	Grid-S-N10-Base-0	5/12/2011	5/17/2011	3.71	Grid-S-N10-Base-1	6/16/2011	6/21/2011	0.0931												
N11	Excavated up to Access Road	Grid-S-N11-SW	8/11/2011	8/16/2011	6.3																
N11	Excavated up to Access Road	GRID-S-N11-SW	5/5/2011	5/11/2011	2.85																
N11	Excavated up to Former Scale Pit	Grid-S-N11-WW	8/11/2011	8/16/2011	1.24																
N11	CONFIRMATION SAMPLE <1ppm	N11-1	12/8/2010	12/13/2010	0.74	Grid-S-N11-Base-1	8/11/2011	8/16/2011	1.52	Grid-S-N12-Base-1 (N18/11/2011	8/16/2011	8/16/2011	0.0494								
N12	CONFIRMATION SAMPLE <1ppm	N12-2	12/7/2010	12/10/2010	3.53	N12-BASE-3	1/26/2011	1/31/2011	0.235												
N12	Excavated up to Access Road	N12-SW	8/11/2011	8/16/2011	2.39																
N12	CONFIRMATION SAMPLE <1ppm	N12-EW	8/11/2011	8/16/2011	<0.0337																
N13	CONFIRMATION SAMPLE <1ppm	N13-Base-2	12/3/2010	12/8/2010	2.41	N13-BASE-3	1/26/2011	1/31/2011	0.084												
N14	Excavated up to Access Road	GRID-S-N14-SW	5/5/2011	5/11/2011	40.8																
N14	CONFIRMATION SAMPLE <1ppm	N14-2	12/2/2010	12/8/2010	4.1	N14-BASE-3	12/22/2010	1/3/2011	0.542												
N15	CONFIRMATION SAMPLE <1ppm	N15-2	12/2/2010	12/8/2010	16.1	N15-BASE-3	12/21/2010	1/4/2011	0.759												
N15	Excavated up to Access Road	GRID-S-N15-SW	5/5/2011	5/11/2011	11.7																
N16	CONFIRMATION SAMPLE <1ppm	N16-2	12/2/2010	12/8/2010	5.75	N16-BASE-3	12/21/2010	1/4/2011	0.618												
N16	CONFIRMATION SAMPLE <1ppm	GRID-S-N16-SW	5/5/2011	5/11/2011	0.107																
N17	CONFIRMATION SAMPLE <1ppm	N17	12/8/2010	12/13/2010	1.89	N17-BASE-3	12/21/2010	1/4/2011	11.6	N17-BASE-4	1/25/2011	1/28/2011	<0.0368								
N18	CONFIRMATION SAMPLE <1ppm	N18-2	12/8/2010	12/13/2010	0.151	N18-BASE-3	12/22/2010	1/3/2011	0.578												
N19	CONFIRMATION SAMPLE <1ppm	N19-1	12/8/2010	12/13/2010	0.245	N19-BASE-2	12/22/2010	1/3/2011	0.392												
N20	CONFIRMATION SAMPLE <1ppm	N20-Base-1	12/10/2010	12/15/2010	1.2	N20-BASE-2	1/26/2011	1/31/2011	0.142												
N21	CONFIRMATION SAMPLE <1ppm	N21-Base-1	12/10/2010	12/15/2010	1.81	N21-BASE-2	1/25/2011	1/28/2011	0.0327												
N22	CONFIRMATION SAMPLE <1ppm	N22-Base-1	12/10/2010	12/15/2010	3.22	N22-BASE-2	1/25/2011	1/28/2011	0.079												



TABLE A-1A  
PLANT 2 GRIDS  
CONFIRMATION SOIL SAMPLE ANALYTICAL RESULTS FOR POLYCHLORINATED BIPHENOLS (PCB)  
OMC PLANT 2 PHASE II REMEDIAL ACTION

GRID	Status	Sample ID	Samples Shipped	Data Received	PCB (mg/kg)	Sample ID	Samples Shipped	Data Received	PCB (mg/kg)	Sample ID	Samples Shipped	Data Received	PCB (mg/kg)	Sample ID	Samples Shipped	Data Received	PCB (mg/kg)	Sample ID	Samples Shipped	Data Received	PCB (mg/kg)
O00	COVERED WITH CRUSHED CONCRETE	Grid-S-O0-BASE-1	4/26/2011	5/4/2011	6.48																
O00	COVERED WITH CRUSHED CONCRETE	Grid-S-O0-BASE-1-DUP	4/26/2011	5/4/2011	4.84																
O01	CONFIRMATION SAMPLE <1ppm	Grid-S-O1-BASE-1	4/26/2011	5/4/2011	0.338																
O02	TSCA - COVERED WITH CRUSHED CONCRETE	Grid-S-O2-BASE-1	4/26/2011	5/4/2011	202																
O03	TSCA - COVERED WITH CRUSHED CONCRETE	Grid-S-O3-BASE-1	4/26/2011	5/4/2011	496																
O04	TSCA - COVERED WITH CRUSHED CONCRETE	GRID-S-O4-SW	5/5/2011	5/11/2011	170																
O04	TSCA - COVERED WITH CRUSHED CONCRETE	Grid-S-O4-BASE-1	5/5/2011	5/11/2011	139																
O04	EXCAVATED TO ACCESS ROAD	Grid-S-P4-SW (O4SW)	8/10/2011	8/16/2011	1.98																
O05	TSCA - COVERED WITH CRUSHED CONCRETE	GRID-S-O5-SW	5/5/2011	5/11/2011	52.7																
O05	COVERED WITH CRUSHED CONCRETE	Grid-S-O5-BASE-1	5/5/2011	5/11/2011	45.2																
O05	CONFIRMATION SAMPLE <1ppm	Grid-S-P5-SW (O5SW)	8/10/2011	8/16/2011	0.348																
O06	CONFIRMATION SAMPLE <1ppm	O6-BASE-1	1/31/2011	2/7/2011	<0.0321																
O06	Excavated up to Access Road	GRID-S-O6-SW	5/5/2011	5/11/2011	19.2																
O07	CONFIRMATION SAMPLE <1ppm	O7-BASE-1	1/31/2011	2/7/2011	<0.0328																
O08	CONFIRMATION SAMPLE <1ppm	GRID-S-O8-SW	5/5/2011	5/11/2011	0.0284																
O08	Former Scale Pit - no material to sample																				
O09	CONFIRMATION SAMPLE <1ppm	GRID-S-O9-SW	5/5/2011	5/11/2011	0.23																
O09	Former Scale Pit - no material to sample																				
P01	TSCA - COVERED WITH CRUSHED CONCRETE	Grid-S-P1-BASE-1	4/26/2011	5/4/2011	1.29																
P02	TSCA - COVERED WITH CRUSHED CONCRETE	Grid-S-P2-BASE-1-DUP	4/26/2011	5/4/2011	86																
P02	TSCA - COVERED WITH CRUSHED CONCRETE	Grid-S-P2-BASE-1	4/26/2011	5/4/2011	19.5	PCB TSCA- AVG WITH DUP = 52.75															
P03	COVERED WITH CRUSHED CONCRETE	Grid-S-P3-BASE-1	5/5/2011	5/11/2011	5.47																
P03	CONFIRMATION SAMPLE <1ppm	Grid-S-P3-EW	5/5/2011	5/11/2011	1.01	PCB PASS- AVG WITH DUP = 0.8855															
P03	CONFIRMATION SAMPLE <1ppm	Grid-S-P3-EW-DUP	5/5/2011	5/11/2011	0.761																
Q01	COVERED WITH CRUSHED CONCRETE	GRID-S-Q1-BASE-1	5/5/2011	5/11/2011	13																
Q01	CONFIRMATION SAMPLE <1ppm	GRID-S-Q1-WW	5/5/2011	5/11/2011	0.0775																
Q01	CONFIRMATION SAMPLE <1ppm	GRID-S-Q1-SW	5/5/2011	5/11/2011	0.0392																
Q02	COVERED WITH CRUSHED CONCRETE	GRID-S-Q2-BASE-1	5/5/2011	5/11/2011	2.91																
Q02	CONFIRMATION SAMPLE <1ppm	GRID-S-Q2-SW	5/5/2011	5/11/2011	0.0509																

- Sample concentration exceeds TSCA limit (50 mg/kg)
- Sample concentration exceeds site RO, but below TSCA
- Sample concentration does not exceed site RO (1 mg/kg)



TABLE A-1-B

## AREA 1

CONFIRMATION SOIL SAMPLE ANALYTICAL RESULTS FOR POLYCHLORINATED BIPHENOLS (PCB)  
OMC PLANT 2 PHASE II REMEDIAL ACTION

INITIAL EXCAVATION					RE-EXCAVATION					RE-EXCAVATION					COMMENTS
Sample ID	Date Sample Shipped	Date Data Received	PCB (mg/kg)	PAH (mg/kg)	Sample ID	Date Sample Shipped	Date Data Received	PCB (mg/kg)	PAH (mg/kg)	Sample ID	Date Sample Shipped	Date Data Received	PCB (mg/kg)	PAH (mg/kg)	
A1-S-A-1-WW	8/23/2010	8/30/2010	1.93	PASS	A1-S-A-1-WW-R-1	8/31/2010	9/3/2010	5.12	NS	A1-S-A-1-WW-R-2	9/9/2010	9/17/2010	0.0365	NS	re-excavated up to building foundation, no sample.
A1-S-A-1-NW	8/23/2010	8/30/2010	1.69	PASS	A1-S-A-1-NW-R-1	8/31/2010	9/3/2010	7.64	NS	A1-S-A-1-NW-R-2	9/14/2010	9/17/2010	1.12	NS	
A1-S-A-1-EW	8/23/2010	8/30/2010	<0.157	ND											
A1-S-A-1-SW	8/23/2010	8/30/2010	<0.119	ND											
A1-S-A-1-B	8/23/2010	8/30/2010	25.8	FAIL-PAH	A1-S-A-1-B-R-1	8/31/2010	9/3/2010	7.42	PAH	A1-S-A-1-B-R-2	9/9/2010	9/13/2010	0.125	NS	
A1-S-A-1-B-DUP	8/23/2010	8/30/2010	28.6	FAIL-PAH											

## AREA 1

## CLEAN FILL CONFIRMATION SAMPLE RESULTS

Confirmation Sampling of Clean Fill Placed in Area 1					Confirmation Sampling of Lower Lift of Clean Fill Placed in Area 1					COMMENTS
Sample ID	Date Sample Shipped	Date Data Received	PCB (mg/kg)	PAH (mg/kg)	Sample ID	Date Sample Shipped	Date Data Received	PCB (mg/kg)	PAH (mg/kg)	
Area 1-CF	11/2/2010	11/9/2010	1.5	NS						clean fill material removed and disposed of at Veolia
Area 1-CF-N1	11/15/2010	11/19/2010	1.55	NS	CF-N1-R1	1/27/2011	2/1/2011	2.53	NS	clean fill material removed and disposed of at Veolia
Area 1-CF-S1	11/15/2010	11/19/2010	1.01	NS	CF-S1-R1	1/27/2011	2/1/2011	1.92	NS	clean fill material removed and disposed of at Veolia

NS - Not sampled, no PAH exceedance to address

- Sample Concentration Exceeds Site RO (PCB = 1 mg/kg; PAH = 2 mg/kg)

- Sample Concentration Does Not Exceed RO (PCB = 1 mg/kg; PAH = 2 mg/kg)



TABLE A-1-C

## AREA 2

CONFIRMATION SOIL SAMPLE ANALYTICAL RESULTS FOR POLYCHLORINATED BIPHENOLS (PCB)  
OMC PLANT 2 PHASE II REMEDIAL ACTIONAREA 2  
CONFIRMATION SOIL SAMPLE RESULTS

INITIAL EXCAVATION					RE-EXCAVATION				RE-EXCAVATION			
Sample ID	Date Sample Shipped	Date Data Received	PCB (mg/kg)	PAH (mg/kg)	Sample ID	Date Sample Shipped	Date Data Received	PCB (mg/kg)	Sample ID	Date Sample Shipped	Date Data Received	PCB (mg/kg)
A2-S-A-5-EW	8/23/2010	8/30/2010	2.89	PASS	A2-A5EW-R1	9/3/2010	9/9/2010	0.239				
A2-S-B-5-EW	8/23/2010	8/30/2010	<0.143	ND								
A2-S-B-5-SW	8/23/2010	8/30/2010	<0.136	ND								
A2-S-B-4-SW	8/23/2010	8/30/2010	0.338	PASS								
A2-S-B-3-SW	8/23/2010	8/30/2010	<0.134	ND								
A2-S-B-2-SW	8/23/2010	8/30/2010	<0.109	ND								
A2-S-B-2-SW-DUP	8/23/2010	8/30/2010	<0.130	ND								
A2-S-B-1-SW	8/23/2010	8/30/2010	<0.134	ND								
A2-S-B-1-WW	8/23/2010	8/30/2010	<0.115	ND								
A2-S-A-1-WW	8/23/2010	8/30/2010	4.48	ND	A2-A1-WW-R1	9/3/2010	9/9/2010	2.17	A2-A1WW-R2	9/14/2010	9/17/2010	0.115
A2-S-A-1-NW	8/23/2010	8/30/2010	0.511	ND								
A2-S-A-2-NW	8/23/2010	8/30/2010	3.24	ND	Leave in place, near Plant 2 water service line							
A2-S-A-2-NW-DUP	8/23/2010	8/30/2010	3.26	ND	Leave in place, near Plant 2 water service line							
A2-S-A-3-NW	8/23/2010	8/30/2010	2.44	ND	Leave in place, near Plant 2 water service line							

AREA 2  
CLEAN FILL CONFIRMATION SAMPLE RESULTS

RE-EXCAVATION				RE-EXCAVATION				RE-EXCAVATION				
	Date Sample Shipped	Date Data Received	PCB  (mg/kg)	Sample ID	Date Sample Shipped	Date Data Received	PCB  (mg/kg)		Date Sample Shipped	Date Data Received	PCB  (mg/kg)	
Sample ID				Sample ID				Sample ID				Comments
Area 2 - CF	11/2/2010	11/9/2010	5.95	initial screening sample; further sampling needed.								
Area 2-CF-S1	11/15/2010	11/19/2010	2.05	CF-S1-R1	1/27/2011	2/1/2011	1.89	CF-S1-R2	2/8/2011	2/14/2011	0.669	below water table
Area 2-CF-S2	11/15/2010	11/19/2010	2.95	CF-S2-R1	1/27/2011	2/1/2011	3.37	CF-S2-R2	2/8/2011	2/14/2011	2.04	below water table
Area 2-CF-S3	11/15/2010	11/19/2010	2.97	CF-S3-R1	1/27/2011	2/1/2011	2.66	CF-S3-R2	2/8/2011	2/14/2011	2.83	below water table
								CF-S3-R2 DUP	2/8/2011	2/14/2011	2.64	below water table
Area 2-CF-S4	11/15/2010	11/19/2010	1.83	CF-S4-R1	1/27/2011	2/1/2011	3.83	CF-S4-R2	2/8/2011	2/14/2011	4.5	below water table
				CF-S4-R1 DU	1/27/2011	2/1/2011	2.63					
Area 2-CF-S5	11/15/2010	11/19/2010	3.29	CF-S5-R1	1/27/2011	2/1/2011	2.79	CF-S5-R2	2/8/2011	2/14/2011	5	below water table
Area 2-CF-S6	11/15/2010	11/19/2010	2.31	CF-S6-R1	1/27/2011	2/1/2011	2.99	CF-S6-R2	2/8/2011	2/14/2011	2.27	below water table
Area 2-CF-N1	11/15/2010	11/19/2010	2.7	CF-N1-R1	1/27/2011	2/1/2011	1.25	CF-N1-R2	2/8/2011	2/14/2011	1.19	below water table
				CF-N1-R1 DU	1/27/2011	2/1/2011	1.35					
Area 2-CF-N2	11/15/2010	11/19/2010	1.75	CF-N2-R1	1/27/2011	2/1/2011	3.1	CF-N2-R2	2/8/2011	2/14/2011	1.54	below water table
Area 2-CF-N3	11/15/2010	11/19/2010	8.64	CF-N3-R1	1/27/2011	2/1/2011	5.63	CF-N3-R2	2/8/2011	2/14/2011	1.76	below water table
Area 2-CF-N4	11/15/2010	11/19/2010	2.3	CF-N4-R1	1/27/2011	2/1/2011	8.61	CF-N4-R2	2/8/2011	2/14/2011	6.68	below water table
Area 2-CF-N4-D	11/15/2010	11/19/2010	2.16									
Area 2-CF-N5	11/15/2010	11/19/2010	3.21	CF-N5-R1	1/27/2011	2/1/2011	3.22	CF-N5-R2	2/8/2011	2/14/2011	4.53	below water table
Area 2-CF-N6	11/15/2010	11/19/2010	8.37	CF-N6-R1	1/27/2011	2/1/2011	2.5	CF-N6-R2	2/8/2011	2/14/2011	2.01	below water table

- Sample Concentration Exceeds Site RO (PCB = 1 mg/kg; PAH = 2 mg/kg)

- Sample Concentration Does Not Exceed RO (PCB = 1 mg/kg; PAH = 2 mg/kg)



**TABLE A-1-D**  
**AREA 3**  
**CONFIRMATION SOIL SAMPLE ANALYTICAL RESULTS FOR POLYCHLORINATED BIPHENYLS (PCB)**  
**OMC PLANT 2 PHASE II REMEDIAL ACTION**

Sample ID	Date Sample Shipped	Date Data Received	PCB (mg/kg)
East Dike-CF	11/4/2010	11/10/2010	0.257
SD-001	12/1/2010	12/9/2010	149
SD-002	12/1/2010	12/9/2010	96.6
SD-003	12/1/2010	12/9/2010	56.6
SD-003-Dup	12/1/2010	12/9/2010	50.4
SD-004	12/1/2010	12/9/2010	47
SD-005	12/1/2010	12/9/2010	37.7
SD-006	12/1/2010	12/9/2010	77.5
SD-007	12/1/2010	12/9/2010	61
SD-008	12/1/2010	12/9/2010	96.3
SD-009	12/1/2010	12/9/2010	49.3
SD-010	12/1/2010	12/9/2010	37.3
SD-010-Dup	12/1/2010	12/9/2010	45.8
SD-011	12/1/2010	12/9/2010	228
SD-012	12/1/2010	12/9/2010	53.6
SD-013	12/1/2010	12/9/2010	1.08
SD-014	12/1/2010	12/9/2010	62.4
SD-015	12/1/2010	12/9/2010	41.7
SD-016	12/1/2010	12/9/2010	27.3
SD-017	12/1/2010	12/9/2010	7.15
SD-018	12/1/2010	12/9/2010	35.3
SD-019	12/1/2010	12/9/2010	6.67
SD-020	12/1/2010	12/9/2010	9.5
SD-021	12/1/2010	12/9/2010	76.9
SD-022	12/1/2010	12/9/2010	77.3
SD-022-Dup	12/1/2010	12/9/2010	90.7
SD-023	12/1/2010	12/9/2010	683
SD-024	12/1/2010	12/9/2010	145
SD-025	12/1/2010	12/9/2010	39.5
SD-026	12/1/2010	12/9/2010	17.9
SD-027	12/1/2010	12/9/2010	466
SD-028	12/1/2010	12/9/2010	1.63
SD-029	12/1/2010	12/9/2010	7.3
SD-030	12/1/2010	12/9/2010	25
SD-030-Dup	12/1/2010	12/9/2010	22.8
SD-031	12/1/2010	12/9/2010	17
SD-032	12/1/2010	12/9/2010	26.6
SD-033	12/1/2010	12/9/2010	25.9
SD-034	12/1/2010	12/9/2010	7.76
SD-035	12/1/2010	12/9/2010	3.82
SD-BB-49-0-0.5	2/17/2011	2/23/2011	2.05
SD-BB-50-0-0.5	2/17/2011	2/23/2011	0.617

	- Sample concentration exceeds TSCA limit (50 mg/kg)
	- Sample concentration exceeds site RO, but below TSCA
	- Sample concentration does not exceed site RO (1 mg/kg)



**TABLE A-1-E**  
**AREA 4**  
**CONFIRMATION SOIL SAMPLE ANALYTICAL RESULTS FOR POLYCHLORINATED BIPHENYLS (PCB)**  
**OMC PLANT 2 PHASE II REMEDIAL ACTION**

Sample ID	Date Sample Shipped	Date Data Received	PCB (mg/kg)	PAH (mg/kg)
A0WW	11/19/2010	11/30/2010	3.04	PASS
A1NW	11/19/2010	11/30/2010	2.84	PASS
A1B1	11/19/2010	11/30/2010	1.01	PASS
B1SW	11/19/2010	11/30/2010	5.33	PASS
A2NW	11/19/2010	11/30/2010	5.07	PASS
A2B1	11/19/2010	11/30/2010	1.06	PASS
B2SW	11/19/2010	11/30/2010	1.88	PASS
A3NW	11/19/2010	11/30/2010	269	PASS
A3B1	11/19/2010	11/30/2010	2.2	PASS
B3SW	11/19/2010	11/30/2010	263	PASS
A4NW	11/19/2010	11/30/2010	468	PASS
A4B1	11/19/2010	11/30/2010	483	PASS
A4B1-DUP	11/19/2010	11/30/2010	267	PASS
B4SW	11/19/2010	11/30/2010	1130	PASS
A5NW	11/23/2010	12/2/2010	2490	PASS
A5B1	11/23/2010	12/2/2010	166	PASS
A5B1-DUP	11/23/2010	12/2/2010	137	PASS
B5SW	11/23/2010	12/2/2010	1270	PASS
A6NW	11/23/2010	12/2/2010	244	PASS
A6B1	11/23/2010	12/2/2010	421	PASS
B6SW	11/23/2010	12/2/2010	415	PASS
A7NW	11/23/2010	12/2/2010	122	PASS
A7B1	11/23/2010	12/2/2010	262	PASS
B7SW	11/23/2010	12/2/2010	1220	PASS
A8NW	11/23/2010	12/2/2010	285	PASS
A8NW-DUP	11/23/2010	12/2/2010	121	PASS
A8B1	11/23/2010	12/2/2010	2410	PASS
B8SW	11/23/2010	12/2/2010	576	PASS
A9NW	11/23/2010	12/2/2010	894	PASS
A9B1	11/23/2010	12/2/2010	1780	PASS
B9SW	11/23/2010	12/2/2010	352	PASS
A10NW	11/23/2010	12/2/2010	8.73	PASS
A10B1	11/23/2010	12/2/2010	1550	PASS
B10SW	11/23/2010	12/2/2010	53.3	PASS
A11NW	11/23/2010	12/2/2010	4.32	PASS
A11NW-DUP	11/23/2010	12/2/2010	5.94	PASS
A11B1	11/23/2010	12/2/2010	764	PASS
B11SW	11/23/2010	12/2/2010	0.893	PASS
A12NW	11/23/2010	12/2/2010	10.9	PASS
A12B1	11/23/2010	12/2/2010	13.5	PASS
B12SW	11/23/2010	12/2/2010	0.0618	PASS
A12EW	11/23/2010	12/2/2010	2.78	PASS

- A**
- Sample concentration exceeds TSCA limit (50 mg/kg)
  - Sample concentration exceeds site RO, but below TSCA
  - Sample concentration does not exceed site RO (1 mg/kg)



TABLE A-1-F  
AREA 5  
CONFIRMATION SOIL SAMPLE ANALYTICAL RESULTS FOR POLYCHLORINATED BIPHENOLS (PCB)  
OMC PLANT 2 PHASE II REMEDIAL ACTION

INITIAL EXCAVATION				RE-EXCAVATION				RE-EXCAVATION			
Sample ID	Date Sample Shipped	Date Data Received	PCB (mg/kg)	Sample ID	Date Sample Shipped	Date Data Received	PCB (mg/kg)	Sample ID	Date Sample Shipped	Date Data Received	PCB (mg/kg)
SouthTrench	10/27/2010	11/3/2010	0.675								
North Trench	10/27/2010	11/3/2010	1.71								
D0A6EW	10/27/2010	11/3/2010	<0.0317								
E0A6EW	10/27/2010	11/3/2010	0.184								
F0A6EW	10/27/2010	11/3/2010	0.0491								
G0A6EW	10/27/2010	11/3/2010	<0.0315								
G0A5B1	10/28/2010	11/3/2010	0.367								
G0A4B1	10/28/2010	11/3/2010	0.325								
G0A3B1	10/28/2010	11/3/2010	0.328								
H0A5SW	10/28/2010	11/3/2010	0.253								
H0A4SW	10/28/2010	11/3/2010	0.152								
H0A3SW	10/28/2010	11/3/2010	0.117								
G0A3NW	10/28/2010	11/3/2010	0.0754								
D0A5B1	10/28/2010	11/3/2010	0.323								
D0A4SW	10/28/2010	11/3/2010	1.44	D0A4SW-R1 *	11/8/2010	11/12/2010	0.106				
D0A3SW	10/28/2010	11/3/2010	0.0978								
D0A3WW	10/28/2010	11/3/2010	0.34								
E0A3WW	10/28/2010	11/3/2010	0.395								
F0A3WW	10/28/2010	11/3/2010	0.181								
E0A5B1	10/28/2010	11/3/2010	0.641								
E0A4B1	10/28/2010	11/3/2010	0.56								
F0A5B1	10/28/2010	11/3/2010	0.206								
F0A4B1	10/28/2010	11/3/2010	0.462								
C0A5NW	10/28/2010	11/3/2010	<.0316								
C0A4NW	10/28/2010	11/3/2010	0.254								
C0A4NW-DUP	10/28/2010	11/3/2010	0.269								
C0A3NW	10/28/2010	11/3/2010	1.61	C0A3NW-R1	11/8/2010	11/12/2010	0.932				
C0A2NW	10/28/2010	11/3/2010	<0.68								
D0A2B1	10/28/2010	11/3/2010	0.445								
D0A3B1	10/28/2010	11/3/2010	0.485								
D0A4B1	10/28/2010	11/3/2010	0.354								
D0A4B1-DUP	10/28/2010	11/3/2010	0.356								
A0A0WW	10/29/2010	11/9/2010	17.8								
A0A0WW-D	10/29/2010	11/9/2010	19.2								
A0A1NW	10/29/2010	11/9/2010	229.9	Near containment cell							
A0A1EW	10/29/2010	11/9/2010	7.4								
C0A1EW	10/29/2010	11/9/2010	26								
B0A1EW	10/29/2010	11/9/2010	1.76								
A0A1B1	10/29/2010	11/9/2010	18.4	Below water table							
B0A1B1	10/29/2010	11/9/2010	0.944								
C0A1B1	10/29/2010	11/9/2010	1.09	Below water table							
B0A0WW	10/29/2010	11/9/2010	4.51								
C0A0WW	10/29/2010	11/9/2010	7.51								
G0A1B1	11/1/2010	11/5/2010	0.322								
F0A1B1	11/1/2010	11/5/2010	0.179								
E0A1B1	11/1/2010	11/5/2010	0.344								
D0A1B1	11/1/2010	11/5/2010	0.372								
H0A1B1	11/1/2010	11/5/2010	0.532								
F0A2EW	11/1/2010	11/5/2010	0.425								
F0A2EWD	11/1/2010	11/5/2010	0.566								
E0A2EW	11/1/2010	11/5/2010	0.445								
D0A2EW	11/1/2010	11/5/2010	1.02	D0A2EW-R1	11/8/2010	11/12/2010	1.53	D0A2EW-R2	11/17/2010	11/19/2010	0.266
				D0A2EW-R1D	11/8/2010	11/12/2010	1.22	NA - Dup			
G0A2NW	11/1/2010	11/5/2010	0.878								
G0A2B1	11/1/2010	11/5/2010	0.289								
I0A1EW	11/7/2010	11/12/2010	0.152								
H0A1EW	11/7/2010	11/12/2010	0.318								
I0A1B1	11/7/2010	11/12/2010	0.389								
I0A1SW	11/7/2010	11/12/2010	1.61	I0A1SW-R1	11/18/2010	11/23/2010	0.289				

\* - Sample mislabelled as D0A3SW-R1

- Sample concentration exceeds TSCA limit (50 mg/kg)
- Sample concentration exceeds site RO, but below TSCA
- Sample concentration does not exceed site RO (1 mg/kg)



CONFIRMATION SOIL SAMPLE ANALYTICAL RESULTS FOR POLYCHLORINATED BIPHENOLS (PCB)  
OMC PLANT 2 PHASE II REMEDIAL ACTION

INITIAL EXCAVATION				RE- EXCAVATION				RE- EXCAVATION			
Sample ID	Date Sample Shipped	Date Data Received	PCB (mg/kg)	Sample ID	Date Sample Shipped	Date Data Received	PCB (mg/kg)	Sample ID	Date Sample Shipped	Date Data Received	PCB (mg/kg)
A0A1B1	10/29/2010	11/9/2010	0.629								
A0A1EW	10/29/2010	11/9/2010	0.599								
B0A1EW	10/29/2010	11/9/2010	0.773								
B0A1B1	10/29/2010	11/9/2010	0.198								
C0A1B1	10/29/2010	11/9/2010	0.415								
C0A1EW	10/29/2010	11/9/2010	1.21	C0A1EW-R1	11/11/2010	11/16/2010	6	C0A1EW-R1	11/18/2010	11/23/2010	0.853
D0A1EW	11/1/2010	11/5/2010	1.19	D0A1EW-R1	11/11/2010	11/16/2010	1.07	D0A1EW-R1	11/18/2010	11/23/2010	0.284
D0A1EW-D	11/1/2010	11/5/2011	1.19	NA							
D0A1B1	11/1/2010	11/5/2010	0.117								
E0A1B1	11/1/2010	11/5/2010	0.0742								
E0A1EW	11/1/2010	11/5/2010	1.37	E0A1EW-R1	11/11/2010	11/16/2010	1.45	E0A1EW-R1	11/18/2010	11/23/2010	0.764
F0A1B1	11/9/2010	11/12/2010	0.109								
G0A1B1	11/5/2010	11/12/2010	0.326								
H0A1B1	11/5/2010	11/12/2010	0.474								
I0A1B1	11/5/2010	11/12/2010	1.52	near Sanitary Force Main							
J0A1B1	11/5/2010	11/12/2010	2.95	near Sanitary Force Main							
K0A1B1	11/5/2010	11/12/2010	1.88	near Sanitary Force Main							
L0A1B1	11/5/2010	11/12/2010	12.8	near Sanitary Force Main							
Area-6-C-Center (road)	6/17/2011	6/24/2011	0.267								
Area-6-C-South (road)	6/17/2011	6/24/2011	0.252								
A0A1WW	7/28/2011	8/2/2011	7.51								
B0A1WW	7/28/2011	8/2/2011	0.703								
C0A1WW	7/25/2011	7/29/2011	0.21								
C0A1WW-DUP	7/25/2011	7/29/2011	0.325								
D0A1WW	7/25/2011	7/29/2011	0.776								
E0A1WW	7/25/2011	7/29/2011	0.472								
F0A1WW	7/25/2011	7/29/2011	0.835								
G0A1WW	7/25/2011	7/29/2011	0.963								
H0A1WW	7/25/2011	7/29/2011	1.19								
I0A1WW	7/25/2011	7/29/2011	1.76								
J0A1WW	7/25/2011	7/29/2011	6.91								
K0A1WW	7/25/2011	7/29/2011	4.09								
L0A1EW	7/25/2011	7/29/2011	13.1								
L0A1NW	7/25/2011	7/29/2011	459	adjacent to East Containment Cell							
L0A1WW	7/25/2011	7/29/2011	3.1								

- Sample concentration exceeds TSCA limit (50 mg/kg)
- Sample concentration exceeds site RO, but below TSCA
- Sample concentration does not exceed site RO (1 mg/kg)



TABLE A-1-H  
AREA 7  
CONFIRMATION SOIL SAMPLE ANALYTICAL RESULTS FOR POLYCHLORINATED BIPHENYLS (PCB)  
OMC PLANT 2 PHASE II REMEDIAL ACTION

PHASE	INITIAL EXCAVATION				RE-EXCAVATION				RE-EXCAVATION			
	Sample ID	Date Sample Shipped	Date Data Received	PCB (mg/kg)	Sample ID	Date Sample Shipped	Date Data Received	PCB (mg/kg)	Sample ID	Date Sample Shipped	Date Data Received	PCB (mg/kg)
Material Removal	Area 7-S-A-A1NW	10/12/2010	10/15/2010	1.72								
	Area 7-S-A-A1SW	10/12/2010	10/15/2010	0.16								
	Area 7-S-A-A0WW	10/12/2010	10/15/2010	<0.0312								
	Area 7-S-A-A1B1	10/12/2010	10/15/2010	0.658								
	Area 7-S-B-A1NW	10/12/2010	10/15/2010	0.416								
	Area 7-S-B-A2EW	10/12/2010	10/15/2010	0.786								
	Area 7-S-B-A0WW	10/12/2010	10/15/2010	1.75								
	Area 7-S-B-A1B1	10/12/2010	10/15/2010	29.6								
	Area 7-S-B-A1B1DUP	10/12/2010	10/15/2010	26.5								
	Area 7-S-C-A1NW	10/11/2010	10/15/2010	0.885								
	Area 7-S-C-A1SW	10/11/2010	10/15/2010	0.176								
	Area 7-S-C-A0WW	10/11/2010	10/15/2010	1.89								
	Area 7-S-C-A2EW	10/11/2010	10/15/2010	127	Area 7-S-C-A2B1	10/18/2010	10/22/2010	181	Area 7-S-C-A2B1 R1	10/25/2010	10/28/2010	3.28
	Area 7-S-C-A1B1	10/11/2010	10/15/2010	32.3								
	Area 7-S-D-A1SW	10/12/2010	10/15/2010	4.27								
	Area 7-S-D-A2EW	10/12/2010	10/15/2010	2.55								
	Area 7-S-D-A0WW	10/12/2010	10/15/2010	8.06								
	Area 7-S-D-A0WWDUP	10/12/2010	10/15/2010	14.7								
	Area 7-S-D-A1B1	10/12/2010	10/15/2010	0.626								
	Area 7-S-E-A1NW	10/11/2010	10/15/2010	35.8								
	Area 7-S-E-A2EW	10/11/2010	10/15/2010	158	Area 7-S-E-A2EW-R1	10/18/2010	10/22/2010	4.42				
	Area 7-S-E-A0WW	10/11/2010	10/15/2010	7.07								
	Area 7-S-E-A1SW	10/11/2010	10/15/2010	48.8	Area 7-S-E-A1SW-R1	10/18/2010	10/22/2010	12.9				
	Area 7-S-E-A1B1	10/11/2010	10/15/2010	11.5								
	Area 7-S-E-A1B1 DUP	10/11/2010	10/15/2010	10.6								
	Area 7-stockpile C (0-2')	10/11/2010	10/15/2010	2.75	Hauled as Subtitle D							
	Area 7-stockpile D (0-2')	10/11/2010	10/15/2010	36.3	Hauled as Subtitle D							

PHASE	INITIAL EXCAVATION				RE-EXCAVATION				RE-EXCAVATION				RE-EXCAVATION				RE-EXCAVATION				RE-EXCAVATION			
	Sample ID	Date Sample Shipped	Date Data Received	PCB (mg/kg)	Sample ID	Date Sample Shipped	Date Data Received	PCB (mg/kg)	Sample ID	Date Sample Shipped	Date Data Received	PCB (mg/kg)	Sample ID	Date Sample Shipped	Date Data Received	PCB (mg/kg)	Sample ID	Date Sample Shipped	Date Data Received	PCB (mg/kg)	Sample ID	Date Sample Shipped	Date Data Received	PCB (mg/kg)
After TSCA Material Removed	Area 7-S-A0A1EW	10/29/2010	11/9/2010	0.438																				
	Area 7-S-A0A1B1	10/29/2010	11/9/2010	0.445																				
	Area 7-S-B0A1EW	10/29/2010	11/9/2010	0.803																				
	Area 7-S-B0A1B1	10/29/2010	11/9/2010	1.04	below water table																			
	Area 7-S-C0A1EW	10/29/2010	11/9/2010	0.358																				
	Area 7-S-C0A1B1	10/29/2010	11/9/2010	0.853																				
	Area 7-S-D0A1B1	10/29/2010	11/9/2010	0.576																				
	Area 7-S-D0A1EW	10/29/2010	11/9/2010	1.64	Area 7-S-D0A1EW-R1	11/11/2010	11/16/2010	1.95	Area 7-S-D0A1EW-R2	11/18/2010	11/23/2010	7.35	Area 7-S-D0A1EW-R3	12/9/2010	12/15/2010	0.958								
	Area 7-S-E0A1B1	10/29/2010	11/9/2010	0.477																				
	Area 7-S-E0A1B1-D	10/29/2010	11/9/2010	0.94																				
	Area 7-S-E0A1EW	10/29/2010	11/9/2010	0.33																				
	Area 7-S-F0A5WW	11/29/2010	12/6/2010	0.408																				
	Area 7-S-E0A5WW	11/29/2010	12/6/2010	0.124																				
	Area 7-S-D0A5WW	11/29/2010	12/6/2010	0.501																				
	Area 7-S-D0A4SW	11/29/2010	12/6/2010	0.283																				
	AREA 7-S-C0A4WW	11/29/2010	12/6/2010	1.32	C0A4WW-R1	12/15/2010	12/21/2010	19.4	AREA 7-S-C0A4WW-R2	1/26/2011	1/31/2011	1.45	Area 7-S-C0A4WW-R3	2/7/2011	2/10/2011	11.5	Area 7-S-C0A4WW-R4	2/23/2011	2/28/2011	2.61	Area 7-S-C0A4WW-R5	3/4/2011	3/9/2011	0.0809
	AREA 7-S-G0A2NW	11/29/2010	12/6/2010	0.623																				
	AREA 7-S-SC0A3B1	11/30/2010	12/8/2010	4.05	below water table																			
	AREA 7-S-C0A2B1-D	11/30/2010	12/8/2010	5.06	below water table																			
	AREA 7-S-C0A2B1	11/30/2010	12/8/2010	4.45	below water table																			
	AREA 7-S-D0A2B1	11/30/2010	12/8/2010	4.78	below water table																			
	AREA 7-S-D0A3B1	11/30/2010	12/8/2010	27.1	below water table																			
	AREA 7-S-D0A4B1	11/30/2010	12/8/2010	1.12	below water table																			
	AREA 7-S-E0A4B1	11/30/2010	12/8/2010	6.8	below water table																			
	AREA 7-S-E0A3B1	11/30/2010	12/8/2010	29.5	below water table																			
	AREA 7-S-F0A3B1	11/30/2010	12/8/2010	1.2	below water table																			
	AREA 7-S-F0A4B1	11/30/2010	12/8/2010	6.6	below water table																			
	AREA 7-S-F0A2B1	11/30/2010	12/8/2010	0.915																				
	AREA 7-S-E0A2B1	11/30/2010	12/8/2010	0.188																				
	AREA 7-S-A0A4WW	3/30/2011	4/4/2011	6.32	AREA 7-S-A0A4WW-R1	4/5/2011	4/8/2011	4.35	AREA 7-S-A0A4WW-R2	4/5/2011	4/13/2011	11.9	AREA 7-S-A0A4WW-R3	4/14/2011	4/20/2011	4.42	Area 7-S-A0A4WW-R4	4/22/2011	4/28/2011	<0.0349				
	AREA 7-S-B0A4WW	3/30/2011	4/4/2011	1.59	AREA 7-S-B0A4WW-R1	4/5/2011	4/8/2011	9.26	AREA 7-S-B0A4WW-R2	4/5/2011	4/13/2011	1.92	AREA 7-S-B0A4WW-R3	4/14/2011	4/20/2011	0.197	AREA 7-S-B0A4WW-R4	4/14/2011	4/20/2011	0.488				
	AREA 7-S-B0A4NW	4/14/2011	4/20/2011	<0.033																				
	AREA 7-S-B0A5NW	4/14/2011	4/20/2011	<0.0361																				
	Area 7-S-A0A5NW	4/22/2011	4/28/2011	0.483																				
	Area 7-S-A0A5SW	4/22/2011	4/28/2011	4.74	At property boundary																			
	Area 7-S-A0A3SW	5/5/2011	5/11/2011	5.27	At property boundary																			
	Area 7-s-A0A4B1	5/5/2011	5/11/2011	6.83	below water table																			
	Area 7-s-A0A3B1	5/5/2011	5/11/2011	9.27	below water table																			
	Area 7-S-A0A4SW	5/5/2011	5/11/2011	0.713																				
	Area 7-s-B0A4B1	5/5/2011	5/11/2011	0.599																				
	Area 7-S-A0A5B1	5/5/2011	5/11/2011	2.46	below water table																			
	Area 7-C-South (Road Cont)	6/17/2011	6/24/2011	0.153																				
	Area 7-S-A0A2B1	7/25/2011	7/29/2011	3.16	below water table																			
	Area 7-S-A0A2EW	7/25/2011	7/29/2011	5.5	At natural gas main																			
	Area 7-S-A0A2SW	7/25/2011	7/29/2011	3.54	At property boundary																			
	Area 7-S-B0A2B1	7/25/2011	7/29/2011	1.84	below water table																			
	Area 7-S-B0A3B1	7/25/2011	7/29/2011	1.29	below water table																			
	Area 7-S-B0A2EW	7/25/2011	7/29/2011	4	At natural gas main																			
	Area 7-S-C0A2EW	7/25/2011	7/29/2011	4.98	At natural gas main																			
	Area 7-S-D0A2EW	7/25/2011	7/29/2011	0.511																				
	Area 7-S-E0A2EW	7/25/2011	7/29/2011	15.2	At natural gas main																			
	Area 7-S-E0A2EWdup	7/25/2011	7/29/2011	12.9	At natural gas main																			
	Area 7-S-F0A2EW	7/25/2011	7/29/2011	2.7	At natural gas main																			
	Area 7-S-A0A1SW	7/28/2011	8/2/2011	5.96	At property boundary																			
	Area 7-S-A0A1WW	7/28/2011	8/2/2011	3.06	At natural gas main																			
	Area 7-S-B0A1WW	7/28/2011	8/2/2011	5.1	At natural gas main																			
	Area 7-S-C0A1WW	7/28/2011	8/2/2011	1.87	At natural gas main																			
	Area 7-S-D0A1WW	7/28/2011	8/2/2011	2.13	At natural gas main																			
	Area 7-S-E0A1WW	7/28/2011	8/2/2011	1.08	At natural gas main																			
	Area 7-S-F0A1WW	7/28/2011	8/2/2011	2.48	At natural gas main																			

Sample concentration exceeds TSCA limit (50 mg/kg)  
Sample concentration exceeds site RO, but below TSCA  
Sample concentration does not exceed site RO (1 mg/kg)



TABLE A-1-I  
AREA 8

CONFIRMATION SOIL SAMPLE ANALYTICAL RESULTS FOR POLYCHLORINATED BIPHENOLS (PCB)  
OMC PLANT 2 PHASE II REMEDIAL ACTION

INITIAL EXCAVATION				RE-EXCAVATION				RE-EXCAVATION
Sample ID	Date Sample Shipped	Date Data Received	PCB (mg/kg)	Sample ID	Date Sample Shipped	Date Data Received	PCB (mg/kg)	Comments
Area 8-S-A1NW	9/16/2010	9/21/2010	7.87	Area 8-S-A1NW-R1	9/23/2010	9/28/2010	7.06	Electrical lines for containment leachate system is in the way, can not excavate further.
Area 8 -S-A2NW	9/16/2010	9/21/2010	0.816					
Area 8 -S-A3EW	9/16/2010	9/21/2010	<0.0367					
Area 8 - S-A1B1	9/16/2010	9/21/2010	6.75	Area 8-S-A1B1-R1	9/23/2010	9/28/2010	8.78	Base is under water, no further excavation
Area 8 -S-A2B1	9/16/2010	9/21/2010	<0.0393					
Area 8-S-A2B1Dup	9/16/2010	9/21/2010	0.0807					

- Sample concentration exceeds TSCA limit (50 mg/kg)
- Sample concentration exceeds site RO, but below TSCA
- Sample concentration does not exceed site RO (1 mg/kg)



TABLE A-1-J  
AREA 9  
CONFIRMATION SOIL SAMPLE ANALYTICAL RESULTS FOR POLYCHLORINATED BIPHENOLS (PCB)  
OMC PLANT 2 PHASE II REMEDIAL ACTION

INITIAL EXCAVATION				RE-EXCAVATION				RE-EXCAVATION				RE-EXCAVATION				RE-EXCAVATION				
Sample ID	Date Sample Shipped	Date Data Received	PCB (mg/kg)	Sample ID	Date Sample Shipped	Date Data Received	PCB (mg/kg)	Sample ID	Date Sample Shipped	Date Data Received	PCB (mg/kg)	Sample ID	Date Sample Shipped	Date Data Received	PCB (mg/kg)	Sample ID	Date Sample Shipped	Date Data Received	PCB (mg/kg)	Comments
Area9-S-A0-WW-1	8/17/2010	8/24/2011	0.49																	
Area9-S-A0-WW-1-DUP	8/17/2010	8/24/2011	0.16																	
Area9-S-A1-NW-1	8/17/2010	8/24/2011	0.11																	
Area9-S-A2-NW-1	8/17/2010	8/24/2011	1	Area9-S-A2-NW-1 R1*	9/9/2010	9/13/2010	8.25	Can't go further north due to retention pond												
Area9-S-A3-NW-1	8/17/2010	8/24/2011	1.6	Area9-S-A3-NW-1 R1	9/8/2010	9/10/2010	2.02	Can't go further north due to retention pond												
Area9-S-A4-NW-1	8/17/2010	8/24/2011	0.27																	
Area9-S-A5-NW-1	8/17/2010	8/24/2011	0.91																	
Area9-S-A1-B-1	8/17/2010	8/24/2011	0.12																	
Area9-S-A2-B-1	8/17/2010	8/24/2011	2.4	Area9-S-A2-B-1-R1	9/9/2010	9/13/2011	0.0538													
Area9-S-A3-B-1	8/17/2010	8/24/2011	<0.019																	
Area9-S-A4-B-1	8/17/2010	8/24/2011	0.25																	
Area9-S-A5-B-1	8/17/2010	8/24/2011	0.32																	
Area9-S-A1-SW-1	8/17/2010	8/24/2011	0.099																	
Area9-S-A2-SW-1	8/17/2010	8/24/2011	0.029																	
Area9-S-A3-SW-1	8/17/2010	8/24/2011	0.022																	
Area9-S-A4-SW-1	8/17/2010	8/24/2011	0.036																	
Area9-S-A5-SW-1	8/17/2010	8/24/2011	0.025																	
Area9-S-A6-NW-1	8/17/2010	8/24/2011	0.035																	
Area9-S-A6-NW-1 dup	8/17/2010	8/24/2011	0.075																	
Area9-S-A7-NW-1	8/17/2010	8/24/2011	0.035																	
Area9-S-B5-WW-1	8/17/2010	8/24/2011	0.061																	
Area9-S-B6-SW-1	8/17/2010	8/24/2011	0.87																	
Area9-S-B7-SW-1	8/17/2010	8/24/2011	0.21																	
Area9-S-A6-B-1	8/17/2010	8/24/2011	0.32																	
Area9-S-B6-B-1	8/17/2010	8/24/2011	0.088																	
Area9-S-A7-B-1	8/17/2010	8/24/2011	0.33																	
Area9-S-A7-B-1-DUP	8/17/2010	8/24/2011	1.4	Area9-S-A7-B-1R1	9/7/2010	9/10/2010	0.116													
Area9-S-B5-B-1	8/17/2010	8/24/2011	0.12																	
Area9-S-B5-SW-1	8/17/2010	8/24/2011	15	Area9-S-B5-SW-1 R1	9/8/2010	9/13/2010	0.614													
				Area9-S-B5-SW-1 R1 Dup	9/8/2010	9/13/2010	1.09	Average with R1 and Dup = 0.852=PASS												
Area9-S-A9-B-1	8/17/2010	8/24/2011	0.8																	
Area9-S-A9-B-1-DUP	8/17/2010	8/24/2011	0.17																	
Area9-S-A8-NW-1	8/17/2010	8/24/2011	0.033																	
Area9-S-A8-B-1	8/17/2010	8/24/2011	0.16																	
Area9-S-A9-NW-1	8/17/2010	8/24/2011	0.068																	
Area9-S-A10-NW-1	8/17/2010	8/24/2011	0.042																	
Area9-S-A10-B-1	8/17/2010	8/24/2011	0.23																	
Area9-S-A10-EW-1	8/17/2010	8/24/2011	0.031																	
Area9-S-D-8-WW	8/18/2010	8/25/2010	0.14																	
Area9-S-E-8-WW	8/18/2010	8/25/2010	0.017																	
Area9-S-E-8-WW (DUP)	8/18/2010	8/25/2010	0.017																	
Area9-S-E8-SW	8/18/2010	8/25/2010	0.012																	
Area9-S-E9-SW	8/18/2010	8/25/2010	12	E9SW1-R1	9/3/2010	9/9/2010	4.53	Area 9 - A9SW1-R2	10/11/2010	10/15/2010	0.636									
				E9SW1-R1 Dup	9/3/2010	9/9/2010	4.59	dup NA												
Area9-S-E10-SW	8/18/2010	8/25/2010	26.9	E10-SW-R1	9/3/2010	9/9/2010	29.4	Area 9 -A10-SW-R2	10/11/2010	10/15/2010	63.8	Area 9 -A10-SW-R4	10/18/2010	10/22/2010	54.4	Area 9 -A10-SW-R5	11/4/2010	11/10/2010	36.4	Excavated to Area 10, no wall to sample
Area9-S-E11-SW	8/18/2010	8/25/2010	31	E11-SW-R1	9/3/2010	9/9/2010	4.51	Area 9 -A11-SW-R2	10/11/2010	10/15/2010	8.24	Area 9 -A11-SW-R4	10/18/2010	10/22/2010	0.645	Area 9 - A11-SW-R5	11/2/2010	11/9/2010	10.5	Excavated to Area 10, no wall to sample
Area9-S-E11-EW	8/18/2010	8/25/2010	9.7	Area9-S-E11-EW R1	9/7/2010	9/10/2010	0.121	Area 9-A12SW	10/11/2010	10/15/2010	0.409									
Area9-S-D11-EW	8/18/2010	8/25/2010	91	Area 9-S-D11-EW-R1	10/5/2010	10/12/2010	12.6	Area9-S-D11-EW-R2	5/6/2011	5/17/2011	0.485									
A9-S-D-8-B	8/17/2010	8/25/2010	0.011																	
A9-S-E-8-B	8/17/2010	8/25/2010	0.0063																	
A9-S-D-9-B	8/17/2010	8/25/2010	2.7	D9B1-R1	9/3/2010	9/9/2010	0.0921													
A9-S-E-9-B	8/17/2010	8/25/2010	3.3	A9-S-E-9-B1- R1	9/7/2010	9/10/2010	0.08													
A9-S-D-10-B	8/17/2010	8/25/2010	0.74																	
A9-S-E-10-B	8/17/2010	8/25/2010	2.2	No further excavation, below water table																
A9-S-D-11-B	8/17/2010	8/25/2010	15	No further excavation, below water table																
A9-S-E-11-B	8/17/2010	8/25/2010	2.8	No further excavation, below water table																
Area9-S-PileComposite	8/20/2010	8/27/2010	0.5																	
Area9-S-B9B1	8/24/2010	8/30/2010	<0.0379																	
Area9-S-C10B1	8/24/2010	8/30/2010	9.49	Area9-S-C10B1 -R1	9/8/2010	9/13/2010	42.4	below GW table												
Area9-S-C10B1 DUP	8/24/2010	8/30/2010	8.34	NA - DUP																
Area9-S-B11NW1	8/24/2010	8/30/2010	<0.0319																	
Area9-S-B11-EW1	8/24/2010	8/30/2010	<0.0316																	
Area9-S-C9-B1	8/24/2010	8/30/2010	2.12	Area9-S-C9-B1 R1	9/8/2010	9/13/2010	0.558													
Area9-S-B10-B1	8/24/2010	8/30/2010	<0.0368																	
Area9-S-C8-WW1	8/24/2010	8/30/2010	<0.0313																	
Area9-S-B8-B1	8/24/2010	8/30/2010	0.138																	
Area9-S-B11-B1	8/24/2010	8/30/2010	0.365	Area9-S-B11-B1 R1	9/8/2010	9/13/2010	0.167													
Area9-S-C11-EW1	8/24/2010	8/30/2010	11.6	Area9-S-C11-EW1 R1	9/9/2010	9/13/2010	0.58													
Area9-S-C11-B1	8/24/2010	8/30/2010	12.5	Area9-S-C11-B1 R1	9/8/2010	9/13/2010	1.23	No further excavation, below water table												
Area 9 - B7B1-R1	9/7/2010	9/10/2010	<0.0367																	
Area 9 - CF	11/2/2010	11/16/2010	0.723																	

\* - Sampled was incorrectly labeled as Area 9-S-A3NW1-R1, but was collected at A2NW1-R1

- Sample concentration exceeds TSCA limit (50 mg/kg)
- Sample concentration exceeds site RO, but below TSCA
- Sample concentration does not exceed site RO (1 mg/kg)



TABLE A-1-K  
AREA 10  
CONFIRMATION SOIL SAMPLE ANALYTICAL RESULTS FOR POLYCHLORINATED BIPHENOLS (PCB)  
OMC PLANT 2 PHASE II REMEDIAL ACTION

Location	INITIAL EXCAVATION				RE-EXCAVATION				RE-EXCAVATION				RE-EXCAVATION				Comments
	Sample ID	Date Sample Shipped	Date Data Received	PCB (mg/kg)	Sample ID	Date Sample Shipped	Date Data Received	PCB (mg/kg)	Sample ID	Date Sample Shipped	Date Data Received	PCB (mg/kg)	Sample ID	Date Sample Shipped	Date Data Received	PCB (mg/kg)	
AREA 10 TSCA AREA	Area 10-T-B1 (cooler hi temp)	10/7/2010	10/14/2010	45													
	Area 10-T-EW1 (cooler hi temp)	10/7/2010	10/14/2010	0.605													
	Area 10-T-WW1 (cooler hi temp)	10/7/2010	10/14/2010	0.221													
	Area 10-T-NW1 (cooler hi temp)	10/7/2010	10/14/2010	9.9													
	Area 10-T-SW1 (cooler hi temp)	10/7/2010	10/14/2010	512	Area 10-T-SW-R1	10/18/2010	10/22/2010	65.8	T-COA1B1	10/28/2010	11/3/2010	4.54	will be removed with non-TSCA excavation				
									T-COA1SW	10/28/2010	11/3/2010	329	T-D0A1EW	11/4/2010	11/10/2010	3.97	will be removed with non-TSCA excavation
													T-D0A1B1	11/4/2010	11/10/2010	18.3	will be removed with non-TSCA excavation
									T-COA2B1	10/28/2010	11/3/2010	4.1	will be removed with non-TSCA excavation				
									T-COA2SW	10/28/2010	11/3/2010	3.97	will be removed with non-TSCA excavation				
									T-COA2EW	10/28/2010	11/3/2010	2.77	will be removed with non-TSCA excavation				
					Area 10-T-S-Base	10/18/2010	10/22/2010	<0.0379									
					Area 10-T-S-EW	10/18/2010	10/22/2010	242	T-B0A2NW	10/28/2010	11/3/2010	1.23	will be removed with non-TSCA excavation				
									T-B0A2NW-DUP	10/28/2010	11/3/2010	1.59	will be removed with non-TSCA excavation				
									T-B0A2B1	10/28/2010	11/3/2010	0.136					
									T-B0A2EW	10/28/2010	11/3/2010	0.825					
AREA 10 NON-TSCA AREA					Area 10-T-S-WW	10/18/2010	10/22/2010	0.298									
	Area 10-S-A1SW	10/8/2010	10/14/2010	<0.0373													
	Area 10-S-A2SW	10/8/2010	10/14/2010	6.86	Area 10-S-A2SW-R1	10/21/2010	10/27/2010	1.18	excavated to concrete slab to Trim Bldg								
	Area 10-S-A3SW	10/8/2010	10/14/2010	0.093													
	Area 10-S-A0WW	10/8/2010	10/14/2010	<0.0385													
	Area 10-S-B0WW	10/8/2010	10/14/2010	<0.0307													
	Area 10-S-E2NW	10/8/2010	10/14/2010	4.23	Area joined to Area 9, this wall is removed												
	Area 10-S-E1NW	10/8/2010	10/14/2010	<0.0382													
	Area 10-S-D0WW	10/8/2010	10/14/2010	<0.0397													
	Area 10-S-C0WW	10/8/2010	10/14/2010	<0.0317													
	Area 10-North Pile-1	10/6/2010	10/12/2010	0.121													
	Area 10-North Pile -2	10/6/2010	10/12/2010	1.4	test pit within Area 10												
	Area 10-South Pile-1	10/6/2010	10/12/2010	48.9	test pit within Area 10												
	Area 10-South Pile-2	10/6/2010	10/12/2010	<0.0366													
	Area 10-S-A4SW	10/15/2010	10/21/2010	0.0848													
	Area 10-S-A5SW	10/15/2010	10/21/2010	0.093													
	Area 10-S-A6SW	10/15/2010	10/21/2010	<0.0356													
	Area 10-S-E3NW	10/15/2010	10/21/2010	0.0398													
	Area 10-S-E4NW	10/15/2010	10/21/2010	<0.0322													
	Area 10-S-F4WW	10/15/2010	10/21/2010	0.688													
	Area 10-S-G5NW	10/15/2010	10/21/2010	<0.0318													
	Area 10-S-A7SW	10/21/2010	10/27/2010	4.36	excavated up to concrete slab on Trim Bldg.												
	Area 10-S-A8EW	10/21/2010	10/27/2010	7.24	Area 10-S-A8EW-R1	11/2/2010	11/9/2010	45.5	A8EW-R2	11/10/2010	11/16/2010	3.67	A8EW-R3	11/23/2010	12/2/2010	0.629	
	Area 10-S-A8SW	10/21/2010	10/27/2010	7.76	Area 10-S-A8SW-R1	11/2/2010	11/9/2010	2.39	can't excavate further - concrete slab to Trim Bldg for west half.								
	Area 10-S-G6NW	11/2/2010	11/9/2010	0.192													
	Area 10-S-G7NW	11/2/2010	11/9/2010	10.1	Area 10-S-G7NW-R1	11/11/2010	11/16/2010	0.11									
					Area 10-S-G7NW-R1-	11/11/2010	11/16/2010	0.117									
	Area 10-S-G8NW	11/2/2010	11/9/2010	20.3	Area 10-S-G8NW-R1	11/11/2010	11/16/2010	0.374									
	Area 10-S-A9SW	11/10/2010	11/16/2010	3.55	A9SW-R1	11/23/2010	12/2/2010	0.288									
	Area 10-S-G9NW	11/15/2010	11/19/2010	2.18	G9NW-R1	11/23/2010	12/2/2010	15.6	G9NW-R2	12/9/2010	12/15/2010	11.3	G9NW-R3	12/20/2010	12/30/2010	0.368	
	Area 10-S-G10EW-D	11/15/2010	11/19/2010	6.35	NA-DUP												
	Area 10-S-G10EW	11/15/2010	11/19/2010	4.54	G10EW-R1	11/23/2010	12/2/2010	47.5	excavated to concrete slab on east								
	Area 10-S-C10EW	11/15/2010	11/19/2010	0.377													
	Area 10-S-D10EW	11/15/2010	11/19/2010	4.47	D10EW-R1	11/23/2010	12/2/2010	42.9	excavated to concrete slab on east								
	Area 10-S-E10EW	11/15/2010	11/19/2010	2.06	E10EW-R1	11/23/2010	12/2/2010	43.6	excavated to concrete slab on east								
	Area 10-S-F10EW	11/15/2010	11/19/2010	2.91	F10EW-R1	11/23/2010	12/2/2010	34.8	excavated to concrete slab on east								
					B10EW	11/23/2010	12/2/2010	0.57									

- Sample concentration exceeds TSCA limit (50 mg/kg)  
 - Sample concentration exceeds site RO, but below TSCA  
 - Sample concentration does not exceed site RO (1 mg/kg)











TABLE A-1-N  
AREA 14

CONFIRMATION SOIL SAMPLE ANALYTICAL RESULTS FOR POLYCHLORINATED BIPHENOLS (PCB)  
OMC PLANT 2 PHASE II REMEDIAL ACTION

INITIAL EXCAVATION				RE-EXCAVATION			
Sample ID	Date Sample Shipped	Date Data Received	PCB (mg/kg)	Sample ID	Date Sample Shipped	Date Data Received	PCB (mg/kg)
Area14-S-A2-NW-1	8/19/2010	8/24/2010	0.019				
Area14-S-A1-NW-1	8/19/2010	8/24/2010	0.18				
Area14-S-A0-WW-1	8/19/2010	8/24/2010	1.2	Area14-S-A0-WW-1 R-1	8/31/2010	9/3/2010	0.161
				Area14-S-A0-WW-1 R-1 dup	8/31/2010	9/3/2010	0.13
Area14-S-B0-WW-1	8/19/2010	8/24/2010	0.2				
Area14-S-A1-SW-1	8/19/2010	8/24/2010	2.1	Area14-S-A1-SW-1 R-1	9/1/2010		0.0834
Area14-S-B3-EW-1	8/19/2010	8/24/2010	0.23				
Area14-S-A3-EW-1	8/19/2010	8/24/2010	0.16				
Area14-S-A2-SW-1	8/19/2010	8/24/2010	1.7	Area14-S-A2-SW-1 R-1	9/1/2010		0.164
Area14-S-B1-B1	8/19/2010	8/24/2010	0.26				
Area14-S-B1-B1 (DUP)	8/19/2010	8/24/2010	0.31				
Area14-S-A2-B1	8/19/2010	8/24/2010	0.63				
Area14-S-B2-B1	8/19/2010	8/24/2010	0.39				
Area14-S-A1-B1	8/19/2010	8/24/2010	2	Area14-S-A1-B1 R-1	8/31/2010	9/3/2010	0.4



- Sample concentration exceeds TSCA limit (50 mg/kg)
- Sample concentration exceeds site RO, but below TSCA
- Sample concentration does not exceed site RO (1 mg/kg)



TABLE A-1-O  
SOUTH DITCH  
CONFIRMATION SOIL SAMPLE ANALYTICAL RESULTS FOR POLYCHLORINATED BIPHENOLS (PCB)  
OMC PLANT 2 PHASE II REMEDIAL ACTION

INITIAL EXCAVATION				RE-EXCAVATION				RE-EXCAVATION			
Sample ID	Date Sample Shipped	Date Data Received	PCB (mg/kg)	Sample ID	Date Sample Shipped	Date Data Received	PCB (mg/kg)	Sample ID	Date Sample Shipped	Date Data Received	PCB (mg/kg)
SD-C001A	10/14/2010	10/18/2010	0.311								
SC-C002A	10/14/2010	10/18/2010	1.84	SD-C002A - DEEPR1	11/1/2010	11/5/2010	0.592				
SD-C002A - DEEP	10/14/2010	10/21/2010	0.28	SD-C002A - DEEPR1-D	11/1/2010	11/5/2010	0.393				
SD-C003A	10/14/2010	10/18/2010	1								
SD-C003A-DEEP	10/14/2010	10/21/2010	0.0388								
SD-C004A	10/14/2010	10/18/2010	1.16	SD-C004A-DEEPR1	11/1/2010	11/5/2010	0.609				
SD-C004A-DEEP	10/14/2010	10/21/2010	0.434								
SD-C005A	10/15/2010	10/21/2010	0.922								
SD-C005A-DEEP	10/15/2010	10/21/2010	0.794								
SD-C006A	10/15/2010	10/21/2010	0.793								
SD-C007A	10/15/2010	10/21/2010	5.99	SD-007A-R1	11/8/2010	11/12/2010	1.46	SD-007A-R2	12/9/2010	12/15/2010	0.529
				SD-007B-R1	11/8/2010	11/12/2010	0.824				
SD-C008A	10/15/2010	10/21/2010	3.08	SD-008A-R1	11/8/2010	11/12/2010	2.02	SD-008A-R2	12/9/2010	12/15/2010	0.502
SD-C008B	10/18/2010	10/22/2010	0.639	SD-008B-R1	11/8/2010	11/12/2010	0.263				

- Sample concentration exceeds TSCA limit (50 mg/kg)
- Sample concentration exceeds site RO, but below TSCA
- Sample concentration does not exceed site RO (1 mg/kg)



TABLE A-1-P  
NEW SMELTER SLAB  
OUTBOARD MARINE CORPORATION CONFIRMATION PLANT 2 SAMPLE RESULTS -- POLYCHLORINATED BIPHENYLS

Grid	Status	INITIAL EXCAVATION				INITIAL EXCAVATION				INITIAL EXCAVATION			
		Sample ID	Date Sample Shipped	Date Data Received	PCB (mg/kg)	Sample ID	Date Sample Shipped	Date Data Received	PCB (mg/kg)	Sample ID	Date Sample Shipped	Date Data Received	PCB (mg/kg)
KK30	CONFIRMATION SAMPLE>1PPM	Grid-S-KK30-Base-0R	7/20/2011	7/25/2011	3.84	Grid-S-KK30-Base-2	8/4/2011	8/9/2011	1.05				
KK30						Grid-S-KK30-NW	8/4/2011	8/9/2011	0.41				
KK30						Grid-S-KK30-NWDUP	8/4/2011	8/9/2011	0.362				
KK31	CONFIRMATION SAMPLE>1PPM	Grid-S-KK31-Base-0R	7/20/2011	7/25/2011	16.6	Grid-S-KK31-Base-2	8/8/2011	8/12/2011	8.36				
KK31						Grid-S-KK31-NW	8/8/2011	8/12/2011	2.83				
KK32	CONFIRMATION SAMPLE>1PPM	Grid-S-KK32-Base-0R	7/20/2011	7/25/2011	6.38	Grid-S-KK32-Base-2	8/8/2011	8/12/2011	26.6				
KK32						Grid-S-KK32-NW	8/8/2011	8/12/2011	9.96				
KK33	CONFIRMATION SAMPLE>1PPM	Grid-S-KK33-Base-0R	7/20/2011	7/25/2011	11.4	Grid-S-KK33-Base-2	8/4/2011	8/9/2011	13.1				
KK33						Grid-S-KK33-NW	8/4/2011	8/9/2011	11.3				
KK34	CONFIRMATION SAMPLE>1PPM	Grid-S-KK34-Base-0R	7/20/2011	7/25/2011	55.8	Grid-S-KK34-Base-2	8/4/2011	8/9/2011	67	Grid-S-KK34-Base-3	8/10/2011	8/16/2011	9.12
KK34						Grid-S-KK34-NW	8/4/2011	8/9/2011	4.72				
KK34						Grid-S-KK34-EW	8/4/2011	8/9/2011	34.1				
KK35	CONFIRMATION SAMPLE>1PPM	Grid-S-KK35-Base-0	7/7/2011	7/12/2011	16.8								
KK36	CONFIRMATION SAMPLE>1PPM	Grid-S-KK36-Base-0R	7/20/2011	7/25/2011	11.7	Grid-S-KK36-Base-2	8/9/2011	8/12/2011	9.35				
KK36		Grid-S-KK36-EW	8/9/2011	8/12/2011	13.1	Grid-S-KK36-Base-2Dup	8/9/2011	8/12/2011	9.3				
LL30	CONFIRMATION SAMPLE<1ppm	Grid-S-LL30-Base-0R	7/20/2011	7/25/2011	0.298								
LL31	CONFIRMATION SAMPLE>1PPM	Grid-S-LL31-Base-0R	7/20/2011	7/25/2011	33.2	Grid-S-LL31-Base-2	7/28/2011	8/2/2011	12.6				
LL32	CONFIRMATION SAMPLE>1PPM	Grid-S-LL32-Base-0R	7/20/2011	7/25/2011	4.03								
LL33	TSCA	Grid-S-LL33-Base-0R	7/20/2011	7/25/2011	16.7	Grid-S-LL33-Base-2	7/28/2011	8/2/2011	72				
LL34	CONFIRMATION SAMPLE>1PPM	Grid-LL34-F-EastWall	6/28/2011	7/1/2011	3.33								
LL34	CONFIRMATION SAMPLE>1PPM	Grid-LL34-F-South Wall	6/28/2011	7/1/2011	6.02								
LL34	CONFIRMATION SAMPLE>1PPM	Grid-LL34-F-West Wall	6/28/2011	7/1/2011	22.1								
LL34	CONFIRMATION SAMPLE>1PPM	Grid-LL34-S-Base-0R	7/20/2011	7/25/2011	66.6	Grid-S-LL34-Base-2	7/29/2011	8/4/2011	11.9				
LL34	CONFIRMATION SAMPLE>1PPM	Grid-LL34-S-Base-0RDUP	7/20/2011	7/25/2011	84.6								
LL34	CONFIRMATION SAMPLE>1PPM	Grid-LL34-F-North Wall	6/28/2011	7/1/2011	10								
LL35	CONFIRMATION SAMPLE>1PPM	Grid-LL35-S-Base-0R	7/20/2011	7/25/2011	57	Grid-S-LL35_Base-2	7/29/2011	8/4/2011	29.7				
LL36	CONFIRMATION SAMPLE>1PPM	Grid-LL36-S-Base-0R	7/20/2011	7/25/2011	12.7	Grid-S-LL36-Base-2	8/8/2011	8/12/2011	18.3				
LL36	CONFIRMATION SAMPLE>1PPM	Grid-LL36-S-Base-0RDUP	7/20/2011	7/25/2011	14								
MM30	CONFIRMATION SAMPLE<1ppm	Grid-S-MM30-Base-0R	7/20/2011	7/25/2011	0.714								
MM31	CONFIRMATION SAMPLE>1PPM	Grid-S-MM31-Base-0R	7/20/2011	7/25/2011	14.5	Grid-S-MM31-Base-2	7/28/2011	8/2/2011	17.1				
MM32	CONFIRMATION SAMPLE>1PPM	Grid-S-MM32-Base-0R	7/20/2011	7/25/2011	10	Grid-S-MM32-Base-2	7/28/2011	8/2/2011	16.7				
MM33	CONFIRMATION SAMPLE>1PPM	Grid-S-MM33-Base-0R	7/20/2011	7/25/2011	12.8	Grid-S-MM33-Base-2	7/28/2011	8/2/2011	10.3				
MM34	CONFIRMATION SAMPLE>1PPM	Grid-S-MM34-Base-0R	7/20/2011	7/25/2011	59.3	Grid-S-MM34-Base-2	7/29/2011	8/4/2011	28.9				
						Grid-S-MM34-Base-2DUP	7/29/2011	8/4/2011	22.7				
MM35	TSCA	Grid-S-MM35-Base-0R	7/20/2011	7/25/2011	81.5	Grid-S-MM35-Base-2	7/29/2011	8/4/2011	27.9				
MM36	CONFIRMATION SAMPLE>1PPM	Grid-MM36-S-Base-0R	7/20/2011	7/25/2011	15.3	Grid-S-MM36-Base-2	8/9/2011	8/12/2011	317				
MM37	CONFIRMATION SAMPLE>1PPM	Grid-S-MM37-Base-0R	7/20/2011	7/25/2011	12.3	Grid-S-MM37-Base-2	8/9/2011	8/12/2011	1.57				
MM37						Grid-S-MM37-EW	8/9/2011	8/12/2011	1.27				
MM37						Grid-S-MM37-NW	8/9/2011	8/12/2011	3.42				
NN30	CONFIRMATION SAMPLE>1PPM	Grid-S-NN30-Base-0R	7/20/2011	7/25/2011	1.75	Grid-S-NN30-Base-2	7/28/2011	8/2/2011	1.87				
NN30	CONFIRMATION SAMPLE<1ppm	Grid-S-NN30-SW	7/1/2011	7/7/2011	0.597	Grid-S-NN30-Base-2 Dup	7/28/2011	8/2/2011	6.27				
NN31	CONFIRMATION SAMPLE>1PPM	Grid-S-NN31-Base-0R	7/20/2011	7/25/2011	7.3	Grid-S-NN31-Base-2	7/28/2011	8/2/2011	6.07				
NN31	CONFIRMATION SAMPLE<1ppm	Grid-S-NN31-SW	7/1/2011	7/7/2011	0.0566								
NN32	CONFIRMATION SAMPLE<1ppm	Grid-S-NN32-Base-0R	7/20/2011	7/25/2011	0.498								
NN32	CONFIRMATION SAMPLE>1PPM	Grid-S-NN32-SW	7/7/2011	7/12/2011	4.07	Grid-S-NN32-SW	7/28/2011	8/2/2011	3.92	Grid-S-NN32-SW-R2	8/9/2011	8/12/2011	2.76
NN33	CONFIRMATION SAMPLE<1ppm	Grid-S-NN33-Base-0R	7/20/2011	7/25/2011	0.457								
NN33	CONFIRMATION SAMPLE>1PPM	Grid-S-NN33-SW	7/7/2011	7/12/2011	3.56	Grid-S-NN33-SW	7/28/2011	8/2/2011	22.5	Grid-S-NN33-SW-R2	8/9/2011	8/12/2011	5.52
NN34	CONFIRMATION SAMPLE>1PPM	Grid-S-NN34-Base-0R	7/20/2011	7/25/2011	271	Grid-C-NN34-Base-2	7/29/2011	8/4/2011	3.07	Grid-C-NN34-Base-2	7/29/2011	8/4/2011	3.07
NN34	CONFIRMATION SAMPLE>1PPM	Grid-S-NN34-SW	7/7/2011	7/12/2011	2.69	Grid-S-NN34-SW	7/28/2011	8/2/2011	6.11	Grid-S-NN34SW-R2	8/9/2011	8/12/2011	6.45
NN35	CONFIRMATION SAMPLE>1PPM	Grid-S-NN35-Base-0R	7/20/2011	7/25/2011	19.8	Grid-S-NN35-Base-2	7/29/2011	8/4/2011	2.52				
NN35	CONFIRMATION SAMPLE>1PPM	Grid-S-NN35-Base-0RDUP	7/20/2011	7/25/2011	18.9								
NN36	CONFIRMATION SAMPLE>1PPM	Grid-S-NN36-Base-0R	7/20/2011	7/25/2011	5.92	Grid-S-NN36-Base-2	7/29/2011	8/4/2011	7.47				
NN37	CONFIRMATION SAMPLE>1PPM	Grid-S-NN37-Base-0R	7/20/2011	7/25/2011	4.75	Grid-S-NN37-Base-2	7/29/2011	8/4/2011	4.17				
NN38	CONFIRMATION SAMPLE>1PPM	Grid-S-NN38-Base-0R	7/20/2011	7/25/2011	13.9	Grid-S-NN38-Base-2	7/28/2011	8/2/2011	2.57				
NN38	CONFIRMATION SAMPLE>1PPM	Grid-S-NN38-Base-0R DUP	7/20/2011	7/25/2011	15.4	Grid-S-NN38-NW	7/29/2011	8/4/2011	2.25				
NN38	CONFIRMATION SAMPLE<1ppm	Grid-S-NN38-SW	7/29/2011	8/4/2011	0.736								
NN38	CONFIRMATION SAMPLE>1PPM	Grid-S-NN38-EW	7/29/2011	8/4/2011	1.46								

- Sample concentration exceeds TSCA limit (50 mg/kg)  
 - Sample concentration exceeds site RO, but below TSCA  
 - Sample concentration does not exceed site RO (1 mg/kg)



TABLE A-1-Q  
MISCELLANEOUS FILL AND PILE SAMPLE ANALYTICAL RESULTS  
OMC PLANT 2 PHASE II REMEDIAL ACTIONS

INITIAL EXCAVATION				RE-EXCAVATION			
Sample ID	Date Sample Shipped	Date Data Received	PCB (mg/kg)	Sample ID	Date Sample Shipped	Date Data Received	PCB (mg/kg)
WWJ15	9/16/2010	9/21/2010	0.293				
NWK16	9/16/2010	9/21/2010	0.111				
Fill-L19-NW	9/21/2010	9/27/2010	0.0242				
Grid I19-Base (3ft)	10/1/2010	10/6/2010	54.6	Removed as TSCA			
Grid I19-WW-3ft	10/1/2010	10/6/2010	9.27	Removed as Sub D			
Grid I19-NW-2ft	10/1/2010	10/6/2010	0.177				
Grid I19-NW-3ft	10/1/2010	10/6/2010	11.4	Removed as Sub D			
Grid H14-EW	10/1/2010	10/6/2010	<0.163				
Grid H18 - Stockpile	10/5/2010	10/13/2010	93.9	Removed as TSCA			
Grid H19 - Stockpile	10/5/2010						
South Pile-CF	11/2/2010	11/9/2010	0.907				
North Pile-CF	11/2/2010	11/9/2010	0.296				
Grid-D9-Stockpile-East	11/9/2010	11/12/2010	0.392				
Grid-D9-Stockpile-West	11/9/2010	11/12/2010	2.47	Grid-D9-Stockpile-West-R1	11/30/2010	12/8/2010	1.39
North Pile CF-West	11/3/2010	11/10/2010	0.234				
NSB-CF-Pile East	7/8/2011	7/13/2011	0.365	New Smelter Slab Clean Fill			
NSB-CF-Pile Center	7/8/2011	7/13/2011	0.488	New Smelter Slab Clean Fill			
NSB-CF-Pile West	7/8/2011	7/13/2011	0.912	New Smelter Slab Clean Fill			
NSS-C-North	7/8/2011	7/13/2011	2.26	Crushed concrete from New Smelter Slab used as ODC backfill			
NSS-C-Center	7/8/2011	7/13/2011	0.983	Crushed concrete from New Smelter Slab used as ODC backfill			
NSS-C-South	7/8/2011	7/13/2011	2.45	Crushed concrete from New Smelter Slab used as ODC backfill			
Grid-S-C21-D22-Comp	7/8/2011	7/13/2011	6.99	Sampled fill placed in DNAPL Grids, later graded to below water table			
Grid-S-E21-F22-Comp	7/8/2011	7/13/2011	6.27	Sampled fill placed in DNAPL Grids, later graded to below water table			
Grid-S-G21-H22-Comp	7/8/2011	7/13/2011	5.43	Sampled fill placed in DNAPL Grids, later graded to below water table			
Grid-S-I21-J22-Comp	7/8/2011	7/13/2011	5.62	Sampled fill placed in DNAPL Grids, later graded to below water table			
Area 10-North Pile-1	10/6/2010	10/12/2010	0.121				
Area 10-North Pile-2	10/6/2010	10/12/2010	1.4				
Area 10-South Pile-1	10/6/2010	10/12/2010	48.9				
Area 10-South Pile-2	10/6/2010	10/12/2010	<0.0366				

- Sample concentration exceeds TSCA limit (50 mg/kg)  
 - Sample concentration exceeds site RO, but below TSCA  
 - Sample concentration does not exceed site RO (1 mg/kg)



TABLE A-2-A  
PLANT 2 GRIDS  
CONFIRMATION SOIL SAMPLE ANALYTICAL RESULTS FOR POLYNUCLEAR AROMATIC HYDROCARBONS (PAH)  
OMC PLANT 2 PHASE II REMEDIAL ACTION

Sample ID	Date of Sample Collection	Date of Lab Report	Benz(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(k)fluoranthene	Dibenz(a,h)anthracene	Indeno(1,2,3-cd)pyrene	Naphthalene	Comments
SITE REMEDIATION GOALS			1.8	2.1	2	6.2	0.42	1.6	1.8	
OMC-S-H14EW	10/1/2010	10/6/2010	0.3200	0.2960	0.4640	0.5150	0.0748	0.1400	<0.0148	
OMC-S-GridI19-Base-3ft	10/1/2010	10/6/2010	0.3320	0.2670	<0.220	0.4480	<0.0869	<0.18	<0.0812	
OMC-S-GridI19-WW-3ft	10/1/2010	10/6/2010	0.0662	0.0693	0.0596	0.0711	<0.02	<0.0413	<0.0187	
OMC-F-GridI19-NW-2ft	10/1/2010	10/6/2010	<0.0108	<0.00782	<0.0372	<0.0362	<0.0147	<0.0303	<0.0137	
OMC-F-GridI19-NW-3ft	10/1/2010	10/6/2010	0.1810	0.1570	0.1520	0.1290	0.0485	0.0806	<0.0142	
Grid-S L7-2'	11/29/2010	12/6/2010	1.9200	2.2700	2.0400	1.7400	0.6370	1.2300	<0.0145	Excavated to 3 feet, below water table
Grid-S K7-2'	11/29/2010	12/6/2010	<0.013	<0.00949	<0.0451	<0.0439	<0.0178	<0.0368	<0.0166	
Grid-S J7-4'	11/29/2010	12/6/2010	0.0619	0.0498	0.0615	<0.0446	<0.0181	<0.0374	<0.0169	
Grid-S-A8-Base-R1	12/14/2010	12/17/2010	<0.0646	<0.047	<0.223	<0.217	<0.088	<0.182	<0.0822	
Grid-S-G15-Base-3	12/16/2010	12/22/2010	<0.0125	<0.00906	<0.043	<0.0419	<0.017	<0.0351	<0.0158	
Grid-S-J19-Base-4	12/16/2010	12/22/2010	<0.0132	<0.00957	<0.0455	<0.0443	<0.0179	<0.0371	<0.0167	
Grid-S-I18-Base-4	12/16/2010	12/22/2010	0.0851	0.0710	0.0860	0.0540	<0.0187	<0.0386	<0.0174	
Grid-S-H17-Base-3	12/17/2010	12/23/2010	<0.0134	<0.00971	<0.0461	<0.0449	<0.0182	<0.0376	<0.017	
Grid-S-H18-Base-3	12/17/2010	12/23/2010	<0.0133	<0.00964	<0.0458	<0.0446	<0.0181	<0.0374	<0.0169	
Grid-S-A8-Base-R2	12/20/2010	12/30/2010	0.4260	0.1700	0.1850	0.1470	<0.0213	0.0678	<0.0199	
Grid-S-H22-Base-1	12/21/2010	1/4/2011	<0.0122	<0.0089	<0.0423	<0.0412	<0.0167	<0.0345	<0.0156	
Grid-S-L17-Base-3	12/21/2010	1/4/2011	0.0785	0.0720	0.0661	0.0464	<0.0164	0.0457	<0.0153	
Grid-S-L17-Base-3 Dup	12/21/2010	1/4/2011	0.1010	0.0964	0.0826	0.0639	<0.0168	0.0549	<0.0157	
Grid-S-G23-Base-1	12/21/2010	1/4/2011	<0.0111	<0.00804	<0.0382	<0.0372	<0.0151	<0.0312	<0.0141	
Grid-S-N16-Base-3	12/21/2010	1/4/2011	0.0964	0.1120	0.1230	0.0623	<0.0169	0.0702	<0.0158	
Grid-S-D6-Base-3	2/7/2011	2/10/2011	0.1150	0.1000	0.0805	0.0702	<0.0178	0.0404	<0.0167	
Grid-S-D7-Base-4	2/7/2011	2/10/2011	0.1550	0.0790	0.0832	0.0744	<0.0189	<0.0391	<0.0176	
Grid-S-M16-Base-4	2/7/2011	2/10/2011	0.0876	0.0851	0.0861	0.0667	<0.0224	<0.0463	<0.0209	
Grid-S-C9-Base-2	4/25/2011	4/29/2011	0.2490	0.1410	0.1870	0.1280	<0.0178	0.0660	<0.0166	
Grid-S-08-SW	5/5/2011	5/11/2011	<0.0129	<0.00935	<0.0444	<0.0433	<0.0175	<0.0363	<0.0164	
Grid-S-D11_EW-R2	5/6/2011	5/16/2011	0.1690	0.1270	0.1560	0.0991	<0.0174	0.0817	<0.0162	
Grid-A15-S-A1NW1	8/25/2010	8/31/2010	0.0751	0.1600	0.1420	0.1130	0.0467	0.1260	<0.0153	
Grid-A15-S-A1B1	8/25/2010	8/31/2010	0.0842	0.1370	0.1460	0.0902	<0.017	0.1020	<0.0159	
Grid-A12-S-A1NW1	8/25/2010	8/31/2010	1.2700	1.4500	1.7000	1.2200	0.4430	1.0800	<0.0148	No further excavation due to west containment cell
Grid-A12-S-A1B1	8/25/2010	8/31/2010	0.0646	0.0665	0.0862	0.0420	<0.017	0.0506	<0.0159	
Grid-A12-S-A1B1 Dup	8/25/2010	8/31/2010	0.0574	0.0562	<0.0454	<0.0442	<0.0179	0.0406	<0.0167	
Grid-A13-S-A1B1	8/25/2010	8/31/2010	0.1880	0.2080	0.2230	0.1420	<0.0175	0.1370	<0.0163	
Grid-A14-S-A1B1	8/25/2010	8/31/2010	0.0496	0.0752	0.0684	0.0492	<0.018	0.0540	<0.0168	

Notes:  
All results in milligrams per kilogram (mg/kg)  
Yellow shading denotes exceedance of remediation objective



TABLE A-2-B  
AREA 1  
CONFIRMATION SOIL SAMPLE ANALYTICAL RESULTS FOR POLYNUCLEAR AROMATIC HYDROCARBONS (PAH)  
OMC PLANT 2 PHASE II REMEDIAL ACTION

Sample ID	Date of Sample Collection	Date of Lab Report	Benz(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(k)fluoranthene	Dibenz(a,h)anthracene	Indeno(1,2,3-cd)pyrene	Naphthalene	Comments
SITE REMEDIATION GOALS			1.8	2.1	2	6.2	0.42	1.6	1.8	
A1-S-A-1-WW	8/23/2010	8/30/2010	0.399	0.393	0.478	0.306	<0.0155	0.234	<0.0145	
A1-S-A-1-NW	8/23/2010	8/30/2010	0.0616	0.0589	0.0749	0.0446	<0.0153	0.0381	<0.0143	
A1-S-A-1-EW	8/23/2010	8/30/2010	<0.0156	<0.0113	<0.0538	<0.0524	<0.0212	<0.0439	<0.0198	
A1-S-A-1-SW	8/23/2010	8/30/2010	<0.0118	<0.0086	<0.0409	<0.0398	<0.0161	<0.0333	<0.0151	
A1-S-A-1-B	8/23/2010	8/30/2010	1.97	1.86	1.59	1.94	0.395	0.952	0.125	Average with Dup achieves RO
A1-S-A-1-B-DUP	8/23/2010	8/30/2010	1.21	1.18	1.21	1.06	0.253	0.641	0.0439	
Area 1-S-A-1-B-R-1	8/31/2010	9/3/2010	0.556	0.606	0.557	0.424	0.105	0.322	0.198	

Notes:  
All results in milligrams per kilogram (mg/kg)  
Yellow shading denotes exceedance of remediation objective



TABLE A-2-C  
AREA 2  
CONFIRMATION SOIL SAMPLE ANALYTICAL RESULTS FOR POLYNUCLEAR AROMATIC HYDROCARBONS (PAH)  
OMC PLANT 2 PHASE II REMEDIAL ACTION

Sample ID	Date of Sample Collection	Date of Lab Report	Benz(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(k)fluoranthene	Dibenz(a,h)anthracene	Indeno(1,2,3-cd)pyrene	Naphthalene
SITE REMEDIATION GOALS			1.8	2.1	2	6.2	0.42	1.6	1.8
A2-S-A-5-EW	8/23/2010	8/30/2010	0.0712	0.0671	0.0671	0.0793	<0.017	<0.0376	<0.017
A2-S-B-5-EW	8/23/2010	8/30/2010	<0.0144	<0.0104	<0.0496	<0.0483	<0.0196	<0.0404	<0.0183
A2-S-B-5-SW	8/23/2010	8/30/2010	<0.0136	<0.00986	<0.0469	<0.0456	<0.0185	<0.0382	<0.0173
A2-S-B-4-SW	8/23/2010	8/30/2010	0.0614	0.0518	0.0479	0.0558	<0.016	<0.033	<0.0149
A-2-S-B-3-SW	8/23/2010	8/30/2010	<0.0133	<0.00966	<0.0459	<0.0447	<0.0181	<0.0374	<0.0169
A-2-S-B-2-SW	8/23/2010	8/30/2010	<0.0111	<0.00804	<0.0382	<0.0372	<0.0151	<0.0311	<0.0141
A-2-S-B-1-SW	8/23/2010	8/30/2010	<0.0132	<0.00956	<0.0454	<0.0442	<0.0179	<0.0371	<0.0167
A-2-S-B-2-SW-DUP	8/23/2010	8/30/2010	<0.013	<0.00943	<0.0448	<0.0436	<0.0177	<0.0365	<0.0165
A-2-S-B-1-WW	8/23/2010	8/30/2010	<0.0114	<0.00829	<0.0394	<0.0383	<0.0155	<0.0321	<0.0145
A-2-S-A-1-WW	8/23/2010	8/30/2010	<0.012	<0.00871	<0.0414	<0.0403	<0.0163	<0.0338	<0.0152
A2-S-A-1-NW	8/23/2010	8/30/2010	0.0969	0.108	0.161	0.103	<0.0171	0.0756	<0.016
A2-S-A-2-NW	8/23/2010	8/30/2010	<0.011	<0.00802	<0.0381	<0.0371	0.015	<0.0311	<0.0140
A2-S-A-3-NW	8/23/2010	8/30/2010	<0.0109	<0.00792	<0.0376	<0.0366	<0.0149	<0.0307	<0.0139
A2-S-A-2-NW-Dup	8/23/2010	8/30/2010	<0.0112	<0.00812	<0.0386	<0.0376	<0.0152	<0.0315	<0.0142

Notes:  
All results in milligrams per kilogram (mg/kg)



**TABLE A-2-D**  
**AREA 4**  
**CONFIRMATION SOIL SAMPLE ANALYTICAL RESULTS FOR POLYNUCLEAR AROMATIC HYDROCARBONS (PAH)**  
**OMC PLANT 2 PHASE II REMEDIAL ACTION**

Sample ID	Date of Sample Collection	Date of Lab Report	Benz(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(k)fluoranthene	Dibenz(a,h)anthracene	Indeno(1,2,3-cd)pyrene	Naphthalene
SITE REMEDIATION GOALS			1.8	2.1	2	6.2	0.42	1.6	1.8
Area 4-S- A0WW	11/19/2010	11/30/2010	<0.0122	<0.00887	<0.0421	<0.041	<0.0166	<0.0344	<0.0155
Area 4-S - A1WW	11/19/2010	11/30/2010	<0.0122	<0.00887	<0.0421	<0.041	<0.0166	<0.0344	<0.0155
Area 4-S - A1B1	11/19/2010	11/30/2010	<0.0134	<0.00977	<0.0464	<0.0452	<0.0183	<0.0378	<0.0171
Area 4-S - B1SW	11/19/2010	11/30/2010	<0.0111	<0.00807	<0.0383	<0.0373	<0.0151	<0.0313	<0.0141
Area 4-S- A2NW	11/19/2010	11/30/2010	<0.0118	<0.0861	<0.0409	<0.0398	<0.0161	<0.0334	<0.0151
Area 4-S - A2B1	11/19/2010	11/30/2010	<0.0136	<0.00989	<0.047	<0.0458	<0.0186	<0.0383	<0.0173
Area 4-S - B2SW	11/19/2010	11/30/2010	<0.0111	<0.0081	<0.0385	<0.0375	<0.0152	<0.0314	<0.0142
Area 4-S - A3NW	11/19/2010	11/30/2010	0.171	0.14	0.138	0.13	0.0344	0.0752	<0.0143
Area 4-S - A3B1	11/19/2010	11/30/2010	<0.0112	<0.00813	<0.0386	<0.0376	<0.0152	<0.0315	<0.0142
Area 4-S - B3SW	11/19/2010	11/30/2010	<0.0133	<0.00967	<0.0459	<0.0447	<0.0181	<0.0375	<0.0169
Area 4-S - A4NW	11/19/2010	11/30/2010	<0.0112	<0.00812	<0.0386	<0.375	<0.0152	<0.0315	<0.0142
Area 4-S - A4B1	11/19/2010	11/30/2010	<0.0112	<0.00814	0.039	0.039	<0.0153	<0.0315	<0.0142
Area 4-S - A4B1 Dup	11/19/2010	11/30/2010	<0.0112	<0.00813	0.0468	<0.0376	<0.0153	<0.0315	<0.0142
Area 4-S - B4SW	11/19/2010	11/30/2010	0.105	<0.00829	0.0626	0.0456	<0.0156	<0.0321	<0.0145
Area 4-5 A8NW	11/23/2010	12/2/2010	0.199	0.189	0.194	0.159	0.0487	0.113	<0.0162
Area 4-5 A8NWDup	11/23/2010	12/2/2010	0.177	0.175	0.173	0.134	<0.0178	0.0972	<0.0166
Area 4-5 A8B1	11/23/2010	12/2/2010	<0.13	<0.0948	<0.45	<0.438	<0.178	<0.367	<0.166
Area 4-5 B8SW	11/23/2010	12/2/2010	0.0811	0.0866	0.0963	0.0562	<0.0155	0.0493	<0.0145
Area 4-5 A9NW	11/23/2010	12/2/2010	<0.0657	<0.0478	<0.227	<0.221	<0.0896	<0.185	<0.0837
Area 4-5 A9B1	11/23/2010	12/2/2010	<0.128	<0.0932	<0.443	<0.431	<0.175	<0.361	<0.163
Area 4-5 B9SW	11/23/2010	12/2/2010	0.0678	0.163	0.168	0.124	<0.0159	0.129	<0.0148
Area 4-5 A10NW	11/23/2010	12/2/2010	0.162	0.218	0.23	0.168	0.0529	0.135	<0.0158
Area 4-5 A10B1	11/23/2010	12/2/2010	<0.125	<0.0911	<0.433	<0.421	<0.171	<0.353	<0.159
Area 4-5 B10SW	11/23/2010	12/2/2010	0.0502	0.103	0.0987	0.0722	<0.0153	0.0716	<0.0142
Area 4-5 A11NW	11/23/2010	12/2/2010	0.0827	0.105	0.12	0.0785	<0.017	0.0642	<0.0159
Area 4-5 A11B1	11/23/2010	12/2/2010	<0.122	<0.0887	<0.421	<0.41	<0.166	<0.344	<0.155
Area 4-5 B11SW	11/23/2010	12/2/2010	<0.0112	<0.00818	<0.0389	<0.0378	<0.0153	<0.0317	<0.0143
Area 4-5 A11NW-Dup	11/23/2010	12/2/2010	0.0564	0.0948	0.0982	0.0744	<0.0173	0.0541	<0.0161
Area 4-5 A12NW	11/23/2010	12/2/2010	0.109	0.183	0.204	0.132	0.0632	0.114	<0.016
Area 4-5 A12B1	11/23/2010	12/2/2010	0.115	0.268	0.242	0.208	0.101	0.201	<0.0163
Area 4-5 B12SW	11/23/2010	12/2/2010	<0.0118	<0.0086	<0.0408	<0.0398	<0.0161	<0.0333	<0.015
Area 4-5 A12EW	11/23/2010	12/2/2010	0.0517	0.131	0.16	0.0757	0.0545	0.125	<0.0151
Area 4-5 A5NW	11/23/2010	12/2/2010	0.0935	<0.00813	<0.0386	<0.0376	<0.0152	<0.0315	<0.0142
Area 4-5 A5B1	11/23/2010	12/2/2010	0.0842	0.0752	0.105	<0.0385	<0.0156	0.0607	0.0354
Area 4-5 A5B1Dup	11/23/2010	12/2/2010	<0.0114	0.0453	0.0798	0.0525	<0.0156	0.0643	<0.0145
Area 4-5 B5SW	11/23/2010	12/2/2010	<0.0115	<0.00839	0.0857	0.0451	<0.0157	0.0538	0.0524
Area 4-5 A6NW	11/23/2010	12/2/2010	<0.0427	<0.0311	<0.148	<0.144	<0.0583	<0.12	<0.0544
Area 4-5 A6B1	11/23/2010	12/2/2010	<0.127	<0.092	<0.437	<0.426	<0.173	<0.357	<0.161
Area 4-5 B6SW	11/23/2010	12/2/2010	<0.13	<0.0943	<0.448	<0.436	<0.177	<0.365	<0.165
Area 4-5 A7NW	11/23/2010	12/2/2010	<0.0136	<0.00992	<0.0471	<0.0459	<0.0186	<0.0384	<0.0174
Area 4-5 A7B1	11/23/2010	12/2/2010	<0.579	<0.421	<2.0	<1.95	<0.79	<1.63	<0.737
Area 4-5 B7SW	11/23/2010	12/2/2010	0.162	0.111	0.16	0.0889	<0.0158	0.0735	<0.0148

Notes:  
All results in milligrams per kilogram (mg/kg)



TABLE A-2-E  
AREA 5  
CONFIRMATION SOIL SAMPLE ANALYTICAL RESULTS FOR POLYNUCLEAR AROMATIC HYDROCARBONS (PAH)  
OMC PLANT 2 PHASE II REMEDIAL ACTION

Sample ID	Date of Sample Collection	Date of Lab Report	Benz(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(k)fluoranthene	Dibenz(a,h)anthracene	Indeno(1,2,3-cd)pyrene	Naphthalene	Comments
SITE REMEDIATION GOALS			1.8	2.1	2	6.2	0.42	1.6	1.8	
Area 5-S-South Trench	10/27/2010	11/3/2010	1.27	0.941	1.03	0.762	0.25	0.49	4.07	Material Removed
Area 5-S-North Trench	10/27/2010	11/3/2010	15.3	9.96	10.7	3.15	2.6	4.05	1.01	Material Removed

Notes:  
All results in milligrams per kilogram (mg/kg)  
Yellow shading denotes exceedance of remediation objective



**TABLE A-2-F**  
**AREA 6**  
**CONFIRMATION SOIL SAMPLE ANALYTICAL RESULTS FOR POLYNUCLEAR AROMATIC HYDROCARBONS (PAH)**  
**OMC PLANT 2 PHASE II REMEDIAL ACTION**

Sample ID	Date of Sample Collection	Date of Lab Report	Benz(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(k)fluoranthene	Dibenz(a,h)anthracene	Indeno(1,2,3-cd)pyrene	Naphthalene
SITE REMEDIATION GOALS			1.8	2.1	2	6.2	0.42	1.6	1.8
Area 6-S - AOAIEW	11/17/2010	11/24/2010	<0.0112	<0.00813	<0.0386	<0.0376	<0.0152	<0.0315	<0.0142
Area 6-S - AOAIBI	11/17/2010	11/24/2010	0.474	0.519	0.529	0.465	0.0848	0.307	<0.015
Area 6-S - BOAIEW	11/17/2010	11/24/2010	<0.0113	<0.00818	<0.0389	<0.0378	<0.0153	<0.0317	<0.0143
Area 6-S - BOAIBI	11/17/2010	11/24/2010	0.0758	0.0722	0.0863	0.0916	<0.0182	0.0504	<0.0169
Area 6-S - COAIBI	11/17/2010	11/24/2010	0.0457	0.0387	0.0491	0.0468	<0.0166	<0.0343	<0.0155
Area 6-S - DOAIBI	11/17/2010	11/24/2010	0.155	0.161	0.18	0.162	<0.0165	0.102	<0.0154
Area 6-S - EOAIBI	11/17/2010	11/24/2010	0.0388	<0.00855	0.047	<0.0395	<0.016	<0.0331	<0.015
Area 6-S - FOAIBI	11/17/2010	11/24/2010	0.109	0.09	0.102	0.0882	<0.0163	0.051	<0.0152
Area 6-S - GOAIBI	11/17/2010	11/24/2010	0.0684	0.0534	0.0607	0.0529	<0.0183	<0.0379	<0.0171
Area 6-S - HOAIBI	11/17/2010	11/24/2010	0.0742	0.0653	0.0746	0.0636	<0.019	<0.0392	<0.0177
Area 6-S - IOAIBI	11/17/2010	11/24/2010	<0.0146	<0.0106	<0.0503	<0.049	<0.0199	<0.0411	<0.0185
Area 6-S - JOAIBI	11/17/2010	11/24/2010	<0.0136	<0.00989	<0.047	<0.0458	<0.0186	<0.0383	<0.0173
Area 6-S - KOAIBI	11/17/2010	11/24/2010	<0.0138	<0.0101	<0.0478	<0.0465	<0.0189	<0.039	<0.0176
Area 6-S - LOAIBI	11/17/2010	11/24/2010	1.6	1.17	1.17	1	0.205	0.558	0.276
Area 6-S-COA1EW-R2	11/18/2010	12/2/2010	<0.0128	<0.00928	<0.0441	<0.0429	<0.0174	<0.036	<0.0162
Area 6-S-DOA1EW-R2	11/18/2010	12/2/2010	<0.0143	<0.0104	<0.0494	<0.0481	<0.0195	<0.0403	<0.0182
Area 6-S-EOA1EW-R2	11/18/2010	12/2/2010	0.22	0.136	0.146	0.128	<0.0189	0.0707	0.064
Area 6-5-COA1WW	7/25/2011	7/29/2011	<0.0136	<0.00988	<0.0469	<0.0457	<0.0185	<0.0383	<0.0173
Area 6-5-COA1WW Dup	7/25/2011	7/29/2011	<0.0136	<0.00988	<0.0469	<0.0457	<0.0185	<0.0383	<0.0173
Area 6-5-DOA1WW	7/25/2011	7/29/2011	<0.0139	<0.0101	<0.0479	<0.0466	<0.0189	<0.0391	<0.0176
Area 6-5-EOA1WW	7/25/2011	7/29/2011	<0.0133	<0.00969	<0.0461	<0.0448	<0.0182	<0.0376	<0.017
Area 6-5-FOA1WW	7/25/2011	7/29/2011	<0.0117	<0.0085	<0.0404	<0.0393	<0.0159	<0.0329	<0.0149
Area 6-5-GOA1WW	7/25/2011	7/29/2011	0.0939	0.113	0.102	0.103	<0.0156	0.0669	<0.0146
Area 6-5-HOA1WW	7/25/2011	7/29/2011	<0.0123	<0.00892	<0.0424	<0.0412	<0.0167	<0.0346	<0.0156
Area 6-5-IOA1WW	7/25/2011	7/29/2011	<0.0119	<0.00863	<0.041	<0.0399	<0.0162	<0.0334	<0.0151
Area 6-5-JOA1WW	7/25/2011	7/29/2011	<0.0117	<0.00849	<0.0403	<0.0393	<0.0159	<0.0329	<0.0149
Area 6-5-KOA1WW	7/25/2011	7/29/2011	<0.012	<0.00869	<0.0413	<0.0402	<0.0163	<0.0337	<0.0152
Area 6-5-LOA1EW	7/25/2011	7/29/2011	<0.0118	<0.00857	<0.0407	<0.0396	<0.0161	<0.0332	<0.015
Area 6-5-LOA1NW	7/25/2011	7/29/2011	<0.0123	<0.00891	<0.0423	<0.0412	<0.0167	<0.0345	<0.0156
Area 6-5-LOA1WW	7/25/2011	7/29/2011	<0.0121	<0.0088	<0.0418	<0.04	<0.0165	<0.0341	<0.0154
Area 6-S - A0A1WW	7/28/2011	8/2/2011	<0.012	<0.00874	<0.0415	<0.0404	<0.0164	<0.0339	<0.0153
Area 6-S - B0A1WW	7/28/2011	8/2/2011	<0.0118	<0.00859	<0.0408	<0.0397	<0.0161	<0.0333	<0.015

Notes:

All results in milligrams per kilogram (mg/kg)



TABLE A-2-G  
AREA 7  
CONFIRMATION SOIL SAMPLE ANALYTICAL RESULTS FOR POLYNUCLEAR AROMATIC HYDROCARBONS (PAH)  
OMC PLANT 2 PHASE II REMEDIAL ACTION

Sample ID	Date of Sample Collection	Date of Lab Report	Benz(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(k)fluoranthene	Dibenz(a,h)anthracene	Indeno(1,2,3-cd)pyrene	Naphthalene	Comments
SITE REMEDIATION GOALS			1.8	2.1	2	6.2	0.42	1.6	1.8	
Area 7-S-A0A1EW	11/17/2010	11/24/2010	<0.0111	<0.00808	<0.0384	<0.0374	<0.0151	<0.0313	<0.0141	
Area 7-S - AOAIBI	11/17/2010	11/24/2010	0.266	0.257	0.295	0.272	<0.0184	0.168	<0.0172	
Area 7-S - BOAIEW	11/17/2010	11/24/2010	<0.0116	<0.00843	<0.0401	<0.039	<0.0158	<0.0327	<0.0148	
Area 7-S - BOAIBI	11/17/2010	11/24/2010	0.46	0.431	0.589	0.375	0.0852	0.296	<0.0167	
Area 7-S - COAIEW	11/17/2010	11/24/2010	<0.0109	<0.00793	<0.0377	<0.0367	<0.0149	<0.0307	<0.0139	
Area 7-S - COAIBI	11/17/2010	11/24/2010	0.342	0.328	0.355	0.327	0.0578	0.217	0.481	
Area 7-S - DOAIBI	11/17/2010	11/24/2010	0.0526	0.0601	0.0755	0.0462	<0.0169	0.0496	<0.0158	
Area 7-S-E0A1EW	11/17/2010	11/24/2010	0.0666	0.0608	0.0645	<0.0459	<0.0186	<0.0385	<0.0174	
Area 7-S - EOAIBI	11/17/2010	11/24/2010	0.0849	0.0695	0.0796	0.0734	<0.0198	0.055	<0.0185	
Area 7-S - EOAIBI DUP	11/17/2010	11/24/2010	0.0996	0.0871	0.0901	0.0665	<0.0193	0.0528	<0.018	
Area 7-S - F0A5WW	11/29/2010	12/6/2010	<0.0109	<0.00793	<0.0377	<0.0367	<0.0149	<0.0307	<0.0139	
Area 7-S - E0A5WW	11/29/2010	12/6/2010	<0.0132	<0.00957	<0.0455	<0.0443	<0.0179	<0.0371	<0.0167	
Area 7-S - D0A5WW	11/29/2010	12/6/2010	<0.0127	<0.00921	<0.0437	<0.0426	<0.0173	<0.0357	<0.0161	
Area 7-S - D0A4SW	11/29/2010	12/6/2010	<0.0111	<0.00805	<0.0382	<0.0372	<0.0151	<0.0312	<0.0141	
Area 7-S - C0A4WW	11/29/2010	12/6/2010	<0.012	<0.00876	<0.0416	<0.0405	<0.0164	<0.0339	<0.0153	
Area 7-S - G0A2NW	11/29/2010	12/6/2010	0.0389	<0.00873	0.044	<0.0404	<0.0164	<0.0338	<0.0153	
Area 7-S - COA3B1	11/30/2010	12/8/2010	0.0752	0.0942	0.0876	0.086	<0.0174	0.0713	<0.0163	
Area 7-S - COA2B1-D	11/30/2010	12/8/2010	0.183	0.194	0.192	0.135	0.0571	0.122	<0.0163	
Area 7-S - COA2B1	11/30/2010	12/8/2010	0.178	0.189	0.215	0.113	0.0578	0.126	<0.016	
Area 7-S - DOA2B1	11/30/2010	12/8/2010	<0.0134	<0.00973	<0.0462	<0.045	<0.0182	<0.0377	<0.017	
Area 7-S - DOA3B1	11/30/2010	12/8/2010	0.046	0.046	<0.0456	<0.0444	<0.018	<0.0372	<0.0168	
Area 7-S - DOA4B1	11/30/2010	12/8/2010	0.128	0.0852	0.0932	0.0532	<0.018	0.048	<0.0168	
Area 7-S - EOA4B1	11/30/2010	12/8/2010	<0.0129	<0.00937	<0.0445	<0.0433	<0.0176	<0.0363	<0.0164	
Area 7-S - EOA3B1	11/30/2010	12/8/2010	<0.013	<0.00943	<0.0448	<0.0436	<0.0177	<0.0365	<0.0165	
Area 7-S - FOA3B1	11/30/2010	12/8/2010	<0.0132	<0.0096	<0.0456	<0.0444	<0.018	<0.0372	<0.0168	
Area 7-S - FOA4B1	11/30/2010	12/8/2010	0.0896	0.0837	0.0924	0.0565	<0.0178	0.062	<0.0166	
Area 7-S - FOA2B1	11/30/2010	12/8/2010	<0.0136	<0.00986	<0.0468	<0.0456	<0.0185	<0.0382	<0.0173	
Area 7-S - EOA2B1	11/30/2010	12/8/2010	<0.0128	<0.00929	<0.0441	<0.0430	<0.0174	<0.036	<0.0163	
Area7-DOAIEW-R3	12/9/2010	12/15/2010	<0.0136	<0.00991	<0.0471	<0.0458	<0.0186	<0.0384	<0.0173	
Area 7-5 - AOA35W	5/5/2011	5/11/2011	0.177	0.158	0.18	0.158	<0.0162	0.0936	<0.0151	
Area 7-5 - AOA4B1	5/5/2011	5/11/2011	4.9	5.73	4.94	5.68	0.638	3.37	<0.016	Below Water Table
Area 7-5 - AOA3B1	5/5/2011	5/11/2011	<0.0124	<0.00904	<0.043	<0.0418	<0.017	<0.035	<0.0158	
Area 7-5 - AOA4SW	5/5/2011	5/11/2011	0.168	0.193	0.198	0.178	0.0516	0.137	<0.0168	
Area 7-5 - BOA4B1	5/5/2011	5/11/2011	0.0572	0.0572	0.077	0.0588	<0.0182	0.0487	<0.017	
Area 7-5 - AOASB1	5/5/2011	5/11/2011	0.59	0.55	0.579	0.438	<0.0172	0.341	0.0424	
Area 7-5-D0AIEW-R3	5/12/2011	5/17/2011	0.124	0.137	0.154	0.13	<0.0194	0.0911	<0.0181	
Area 7-5-B0A4NW	5/12/2011	5/17/2011	0.107	0.113	<0.0441	<0.0429	<0.0174	0.0727	<0.0162	
Area 7-5-B0A4WW-R4	5/12/2011	5/17/2011	<0.0133	<0.00967	<0.0459	<0.0447	<0.0181	<0.0375	<0.0169	
Area 7-5-B0A5NW	5/12/2011	5/17/2011	0.154	0.159	0.157	0.148	<0.0178	0.0951	<0.0166	
Area 7-5-A0A5NW	5/12/2011	5/17/2011	0.102	0.103	0.105	0.09	<0.0178	0.0563	<0.0166	
Area 7-5-A0A5WW-R5	5/12/2011	5/17/2011	0.116	0.106	0.113	0.0927	<0.0175	0.0605	<0.0163	
Area 7-5-A0A5SW	5/12/2011	5/17/2011	0.126	0.141	0.202	0.152	<0.0175	0.111	<0.0164	
Area 7-5-AOA2B1	7/25/2011	7/29/2011	2.65	3.44	4.34	2.65	0.922	2.07	<0.0334	Below Water Table
Area 7-5-AOA2EW	7/25/2011	7/29/2011	0.41	0.57	0.651	0.519	0.173	0.391	<0.0287	
Area 7-5-AOA2SW	7/25/2011	7/29/2011	0.934	0.972	1.08	0.609	0.298	0.532	<0.0292	
Area 7-5-BOA2B1	7/25/2011	7/29/2011	0.0611	0.0767	0.0859	0.0635	<0.018	<0.0371	<0.0168	
Area 7-5-BOA3B1	7/25/2011	7/29/2011	0.117	0.129	0.135	0.0916	<0.0178	0.0738	<0.0167	
Area 7-5-BOA2EW	7/25/2011	7/29/2011	0.0538	0.0595	0.0781	<0.0375	<0.0152	<0.0314	<0.0142	
Area 7-5-COA2EW	7/25/2011	7/29/2011	<0.0115	<0.00834	<0.0396	<0.0386	<0.0156	<0.0323	<0.0146	
Area 7-5-DOA2EW	7/25/2011	7/29/2011	0.0834	0.0956	0.114	0.067	<0.0148	0.0552	<0.0138	
Area 7-5-EOA2EW	7/25/2011	7/29/2011	0.286	0.398	0.513	0.323	0.121	0.289	<0.0156	
Area 7-5-EOA2EW Dup	7/25/2011	7/29/2011	0.309	0.446	0.538	0.416	0.133	0.32	<0.0149	
Area 7-5-FOA2EW	7/25/2011	7/29/2011	<0.0118	<0.00858	<0.0408	<0.0397	<0.0161	<0.0333	<0.015	
Area 7-S- A0A1SW	7/28/2011	8/2/2011	0.0977	0.0984	0.0892	0.0744	<0.0159	0.055	<0.0148	
Area 7-S - A0A1WW	7/28/2011	8/2/2011	0.0394	0.0491	0.0459	0.0427	<0.0161	<0.0333	<0.0151	
Area 7-S - B0A1WW	7/28/2011	8/2/2011	<0.012	<0.00874	<0.0415	<0.0404	<0.0164	<0.0338	<0.0153	
Area 7-S - C0A1WW	7/28/2011	8/2/2011	<0.0119	<0.00862	<0.0409	<0.0399	<0.0162	<0.0334	<0.0151	
Area 7-S - D0A1WW	7/28/2011	8/2/2011	<0.0117	<0.0085	<0.0404	<0.0393	<0.0159	<0.0329	<0.0149	
Area 7-S - E0A1WW	7/28/2011	8/2/2011	<0.0122	<0.00888	<0.0422	<0.0411	<0.0167	<0.0344	<0.0155	

Notes

Shading denotes exceedance of remediation objective  
Results in milligrams per kilogram (mg/kg)



TABLE A-2-H  
AREA 8  
CONFIRMATION SOIL SAMPLE ANALYTICAL RESULTS FOR POLYNUCLEAR AROMATIC HYDROCARBONS (PAH)  
OMC PLANT 2 PHASE II REMEDIAL ACTION

Sample ID	Date of Sample Collection	Date of Lab Report	Benz(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(k)fluoranthene	Dibenz(a,h)anthracene	Indeno(1,2,3-cd)pyrene	Naphthalene
SITE REMEDIATION GOALS			1.8	2.1	2	6.2	0.42	1.6	1.8
Area 8-5-A1NW	9/16/2011	9/21/2010	0.35	0.407	0.358	0.374	0.15	0.29	<0.0161
Area 8-5-A2NW	9/16/2011	9/21/2010	0.0429	0.058	0.058	0.0475	<0.0189	<0.0391	<0.0177
Area 8-5-A3EW	9/16/2011	9/21/2010	<0.013	0.0683	0.0687	0.056	<0.0178	0.0509	<0.0166
Area 8-5-A1B1	9/16/2011	9/21/2010	0.363	0.459	0.452	0.4	0.165	0.32	<0.016
Area 8-5-A2B1	9/16/2011	9/21/2010	<0.0139	<0.0101	<0.0481	<0.0468	<0.019	<0.0392	<0.0177
Area 8-5-A2B1 Dup	9/16/2011	9/21/2010	<0.0135	<0.00979	<0.0465	<0.0453	<0.0184	<0.038	<0.0171

Notes:  
All results in milligrams per kilogram (mg/kg)



TABLE A-2-I  
AREA 9  
CONFIRMATION SOIL SAMPLE ANALYTICAL RESULTS FOR POLYNUCLEAR AROMATIC HYDROCARBONS (PAH)  
OMC PLANT 2 PHASE II REMEDIAL ACTION

Sample ID	Date of Sample Collection	Date of Lab Report	Benz(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(k)fluoranthene	Dibenz(a,h)anthracene	Indeno(1,2,3-cd)pyrene	Naphthalene
SITE REMEDIATION GOALS			1.8	2.1	2	6.2	0.42	1.6	1.8
Area9-S-B7-B1-R1	9/7/2010	9/10/2010	<0.0131	0.0436	0.046	<0.044	<0.0178	<0.0369	<0.0167
Area9-S-A5-NW1-R1	9/7/2010	9/10/2010	<0.011	0.0484	0.0561	<0.037	<0.015	0.0394	<0.014
Area 9-S-B6SW1-R1	9/8/2010	9/13/2010	0.5	0.398	0.347	0.254	<0.0156	<0.0327	<0.0145
Area 9-S-B7SW1-R1	9/8/2010	9/13/2010	0.0653	0.181	0.177	0.148	<0.0157	<0.0325	<0.0147
OMC-AREA9-S-A0 WW-1	8/17/2010	8/24/2010	0.12	0.23	0.28	0.097	0.066	0.19	<0.038
OMC-AREA9-S-A0 WW-1 DUP	8/17/2010	8/24/2010	0.2	0.52	0.66	0.21	0.11	0.37	<0.037
OMC-AREA9-S-A1-NW-1	8/17/2010	8/24/2010	0.19	0.41	0.53	0.17	0.09	0.29	<0.036
OMC-AREA9-S-A2-NW-1	8/17/2010	8/24/2010	0.65	0.92	1.1	0.42	0.18	0.51	<0.035
OMC-AREA9-S-A3-NW-1	8/17/2010	8/24/2010	0.054	0.17	0.19	0.086	0.05	0.17	<0.034
OMC-AREA9-S-A4-NW-1	8/17/2010	8/24/2010	0.027	0.093	0.12	0.038	0.025	0.074	<0.035
OMC-AREA9-S-A5-NW-1	8/17/2010	8/24/2010	5.1	8.1	11	3.9	1.6	5.1	<0.35
OMC-AREA9-S-A1-B-1	8/17/2010	8/24/2010	0.056	0.14	0.14	0.081	0.034	0.11	<0.036
OMC-AREA9-S-A2-B-1	8/17/2010	8/24/2010	0.64	1	1.3	0.45	0.25	0.69	0.017
OMC-AREA9-S-A3-B-1	8/17/2010	8/24/2010	0.013	0.038	0.045	0.017	0.012	0.031	<0.039
OMC-AREA9-S-A4-B-1	8/17/2010	8/24/2010	0.24	0.62	0.76	0.24	0.13	0.38	<0.037
OMC-AREA9-S-A-5-B-1	8/17/2010	8/24/2010	0.21	1.5	0.57	0.25	0.1	0.32	<0.036
OMC-AREA9-S A-1-SW-1	8/17/2010	8/24/2010	0.13	0.37	0.42	0.2	0.088	0.26	<0.034
OMC-AREA9-S A2-SW-1	8/17/2010	8/24/2010	0.024	0.049	0.058	0.024	0.015	0.032	<0.036
OMC-AREA9-S A3-SW-1	8/17/2010	8/24/2010	0.009	0.013	0.013	<0.037	<0.037	0.01	<0.037
OMC-AREA9-S A4-SW-1	8/17/2010	8/24/2010	0.05	0.089	0.11	0.044	0.021	0.059	<0.036
OMC-AREA9-S A5-SW-1	8/17/2010	8/24/2010	0.0053	0.015	0.015	<0.035	0.0047	0.015	<0.035
OMC-AREA9-S A6-NW-1	8/17/2010	8/24/2010	0.012	0.02	0.026	0.012	0.0063	0.014	<0.035
OMC-AREA9-S A7-NW-1	8/17/2010	8/24/2010	0.049	0.1	0.14	0.042	0.026	0.078	<0.033
OMC-AREA9-S B5-WW-1	8/17/2010	8/24/2010	0.17	0.22	0.24	0.11	0.045	0.14	0.0082
OMC-AREA9-S-B6-SW-1	8/17/2010	8/24/2010	4.3	8.4	11	4	2.6	6.2	0.1
OMC-AREA9-S B7-SW-1	8/17/2010	8/24/2010	0.97	2.2	2.8	1.2	0.55	1.7	<0.17
OMC-AREA9-S A6-B1	8/17/2010	8/24/2010	0.38	0.69	0.94	0.39	0.2	0.46	<0.037
OMC-AREA9-S B6-B1	8/17/2010	8/24/2010	0.019	0.044	0.047	0.025	0.012	0.035	<0.037
OMC-AREA9-S A7-B1	8/17/2010	8/24/2010	0.16	0.33	0.42	0.16	0.081	0.23	<0.038
OMC-AREA9-S B5-B1	8/17/2010	8/24/2010	0.047	0.1	0.13	0.057	0.028	0.069	<0.034
OMC-AREA9-S B5-SW-1	8/17/2010	8/24/2010	0.89	1.6	1.9	0.8	0.35	1	<0.17
OMC-AREA9-S A7-B1 DUP	8/17/2010	8/24/2010	0.28	0.49	0.61	0.25	0.15	0.37	<0.032
OMC-AREA9-S A9-B1	8/17/2010	8/24/2010	0.24	0.38	0.48	0.2	0.056	0.24	0.019
OMC-AREA9-S A9-B1 DUP	8/17/2010	8/24/2010	0.35	0.45	0.59	0.23	0.098	0.26	<0.036
OMC-AREA9-S A8-NW-1	8/17/2010	8/24/2010	0.01	0.011	0.018	0.034	0.0045	0.01	<0.034
OMC-AREA9-S A8 B1	8/17/2010	8/24/2010	0.14	0.29	0.37	0.12	0.069	0.2	<0.037
OMC-AREA9-S B8 B1	8/17/2010	8/24/2010	<0.038	<0.038	<0.038	<0.038	<0.038	<0.038	<0.038
OMC-AREA9-S A9-NW-1	8/17/2010	8/24/2010	0.078	0.16	0.19	0.082	0.041	0.11	<0.034
OMC-AREA9-S A10-NW-1	8/17/2010	8/24/2010	0.062	0.14	0.17	0.069	0.031	0.1	<0.036
OMC-AREA9-S A10 B1	8/17/2010	8/24/2010	0.28	0.55	0.69	0.25	0.12	0.37	<0.035
OMC-AREA9-S A10 EW-1	8/17/2010	8/24/2010	0.075	0.24	0.28	0.13	0.069	0.17	<0.033
OMC-AREA9-S-A6-NW-1 DUP	8/17/2010	8/24/2010	0.011	0.018	0.025	0.0089	0.0047	0.015	<0.035
A-9-S-D-8-B	8/17/2010	8/25/2010	0.17	0.28	0.36	0.15	0.092	0.2	<0.034
A-9-S-E-8-B	8/17/2010	8/25/2010	0.0064	0.023	0.029	0.01	0.008	0.019	<0.033
A-9-S-D-9-B	8/17/2010	8/25/2010	0.0066	<0.037	0.011	<0.037	<0.037	<0.037	<0.037
A-9-S-E-9-B	8/17/2010	8/25/2010	0.0065	0.0071	0.011	<0.033	<0.033	0.0067	<0.033
A-9-S-D-10-B	8/17/2010	8/25/2010	0.021	0.025	0.038	0.016	0.0053	0.019	<0.036
A-9-S-E-10-B	8/17/2010	8/25/2010	0.11	0.11	0.14	0.064	0.017	0.068	<0.033
A-9-S-D-11-B	8/17/2010	8/25/2010	0.035	0.043	0.06	0.026	0.0078	0.031	<0.038
A-9-S-E-11-B	8/17/2010	8/25/2010	0.11	0.11	0.16	0.064	0.022	0.07	<0.037
A-9-S-D-8-WW	8/18/2010	8/25/2010	0.13	0.28	0.39	0.12	0.1	0.23	<0.035
A-9-S-E-8-WW	8/18/2010	8/25/2010	0.013	0.013	0.028	0.0074	<0.034	0.01	<0.034
A-9-S-E-8-WW-DUP	8/18/2010	8/25/2010	0.014	0.018	0.031	0.011	0.0057	0.015	<0.035
A-9-S-E-8-SW	8/18/2010	8/25/2010	0.012	0.013	0.023	0.0091	<0.034	0.01	0.0086
A-9-S-E-9-SW	8/18/2010	8/25/2010	0.013	0.013	0.018	0.01	0.0077	0.013	<0.035
A-9-S-E-10-SW	8/18/2010	8/25/2010	0.36	0.59	0.73	0.36	0.16	0.48	0.013
A-9-S-E-11-SW	8/18/2010	8/25/2010	0.45	0.42	0.6	0.23	0.097	0.24	0.045
A-9-S-E-11-EW	8/18/2010	8/25/2010	0.44	0.52	0.75	0.29	0.1	0.38	0.028
A-9-S-D-11-EW	8/18/2010	8/25/2010	0.064	0.072	0.11	0.049	0.02	0.053	0.021
OMC-Area 9-S-B9B1	8/24/2010	8/31/2010	0.096	0.162	0.179	0.0927	<0.0182	0.125	<0.017
OMC-Area 9-S-C10B1	8/24/2010	8/31/2010	0.253	0.377	0.421	0.253	0.115	0.284	<0.0155
OMC-Area 9-S-C10B1 Dup	8/24/2010	8/31/2010	0.247	0.439	0.552	0.302	0.139	0.32	<0.0146
OMC-Area 9-S-B11NW1	8/24/2010	8/31/2010	<0.0122	0.0835	0.0774	0.0499	<0.0153	0.0699	<0.0143
OMC-Area 9-S-B11-EW1	8/24/2010	8/31/2010	<0.0122	<0.00815	<0.0387	<0.0377	<0.0153	<0.0316	<0.0143
OMC-Area 9-S-C9-B1	8/24/2010	8/31/2010	0.0379	0.0843	0.0775	0.0699	0.0414	0.0754	<0.015
OMC-Area 9-S-B10-B1	8/24/2010	8/31/2010	0.127	0.284	0.264	0.195	0.0921	0.228	<0.0163
OMC-Area 9-S-C8-WW1	8/24/2010	8/31/2010	<0.0111	<0.00809	<0.0384	<0.0374	<0.0152	<0.0313	<0.0142
OMC-Area 9-S-B8-B1	8/24/2010	8/31/2010	0.182	0.405	0.403	0.268	0.128	0.305	<0.0166
OMC-Area 9-S-B11-B1	8/24/2010	8/31/2010	2.01	3.96	4.11	2.77	1.57	3.06	<0.0155
OMC-Area 9-S-C11-EW1	8/24/2010	8/31/2010	0.187	0.257	0.285	0.167	0.0903	0.18	<0.0149
OMC-Area 9-S-C11-B1	8/24/2010	8/31/2010	<0.014	<0.0102	<0.0483	<0.0471	<0.0191	<0.0394	<0.0178

Notes:  
All results in milligrams per kilogram (mg/kg)  
Yellow shading denotes exceedance of remediation objective



TABLE A-2-J  
AREA 10  
CONFIRMATION SOIL SAMPLE ANALYTICAL RESULTS FOR POLYNUCLEAR AROMATIC HYDROCARBONS (PAH)  
OMC PLANT 2 PHASE II REMEDIAL ACTION

Sample ID	Date of Sample Collection	Date of Lab Report	Benz(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(k)fluoranthene	Dibenz(a,h)anthracene	Indeno(1,2,3-cd)pyrene	Naphthalene	Comments
SITE REMEDIATION GOALS			1.8	2.1	2	6.2	0.42	1.6	1.8	
Area 10 - North Pile -1	10/6/2010	10/12/2010	<0.0128	<0.00931	<0.0442	<0.0431	<0.0175	<0.0361	<0.0163	
Area 10 - North Pile -2	10/6/2010	10/12/2010	0.0776	0.0799	0.0807	0.0721	<0.0175	0.0507	<0.0164	
Area 10 - South Pile -1	10/6/2010	10/12/2010	0.519	0.57	0.622	0.526	0.149	0.367	<0.0151	
Area 10 - South Pile -2	10/6/2010	10/12/2010	<0.0129	<0.00941	<0.0447	<0.0435	<0.0176	<0.0365	<0.0165	
Area10-S-A1SW	10/8/2010	10/14/2010	<0.0136	<0.00987	<0.0469	<0.0456	<0.0185	<0.0382	<0.0173	
Area10-S-A2SW	10/8/2010	10/14/2010	<0.0125	<0.00908	<0.0431	<0.042	<0.017	<0.0352	<0.0159	
Area10-S-A3SW	10/8/2010	10/14/2010	<0.0138	<0.01	<0.0476	<0.0464	<0.0188	<0.0388	<0.0175	
Area10-S-A0WW	10/8/2010	10/14/2010	<0.0138	<0.0101	<0.0477	<0.0465	<0.0188	<0.0390	<0.0176	
Area10-S-B0WW	10/8/2010	10/14/2010	<0.0109	<0.00796	<0.0378	<0.0368	<0.0149	<0.0308	<0.0139	
Area10-S-C0WW	10/8/2010	10/14/2010	0.0756	0.0766	0.0828	0.08	<0.0155	0.0491	<0.0144	
Area10-S-D0WW	10/8/2010	10/14/2010	<0.0141	<0.0102	<0.0485	<0.0473	<0.0192	<0.0396	<0.0179	
Area10-S-E1NW	10/8/2010	10/14/2010	<0.0135	<0.00982	<0.0466	<0.0454	<0.0184	<0.038	<0.0172	
Area10-S-E2NW	10/8/2010	10/14/2010	<0.0131	<0.00951	<0.0452	<0.044	<0.0178	<0.0369	<0.0166	
Area10-S-A4SW	10/15/2010	10/21/2010	<0.0144	<0.0105	<0.0497	<0.0484	<0.0196	<0.0405	<0.0183	
Area10-S-A5SW	10/15/2010	10/21/2010	0.0936	0.12	0.177	0.138	0.0654	0.106	<0.0152	
Area10-S-A6SW	10/15/2010	10/21/2010	<0.0125	<0.00906	<0.0430	<0.0419	<0.017	<0.0351	<0.0159	
Area10-S-E3NW	10/15/2010	10/21/2010	<0.0136	<0.00986	<0.0468	<0.0456	<0.0185	<0.0382	<0.0173	
Area10-S-E4NW	10/15/2010	10/21/2010	<0.0114	<0.00828	<0.0393	<0.0383	<0.0155	<0.0321	<0.0621	
Area10-S-F4WW	10/15/2010	10/21/2010	<0.0112	<0.00815	<0.0387	<0.0377	<0.0153	<0.0316	<0.0143	
Area10-S-G5NW	10/15/2010	10/21/2010	<0.552	<0.402	<1.91	<1.86	<0.753	<1.56	<0.703	
Area 10-S-A2 SW R1	10/21/2010	10/27/2010	<0.011	<0.00803	<0.0381	<0.0371	<0.0151	<0.0311	<0.0141	
Area 10-S-A7 SW	10/21/2010	10/27/2010	0.579	0.538	0.513	0.451	0.137	0.312	<0.0154	
Area 10-S-A8 EW	10/21/2010	10/27/2010	0.0951	0.099	0.107	0.0961	<0.0159	0.0608	<0.0148	
Area 10-S-A8 SW	10/21/2010	10/27/2010	0.153	0.159	0.186	0.118	0.0463	0.0943	<0.0144	
Area 10-S-A8 EW	11/2/2010	11/16/2010	0.213	0.209	0.312	0.118	0.0661	0.148	<0.0147	
Area 10-S-A8 SW	11/2/2010	11/16/2010	0.433	0.431	0.691	0.175	0.07	0.278	<0.0143	
Area 10-S-G6 NW	11/2/2010	11/16/2010	0.0375	<0.00857	0.05	<0.0396	<0.0161	<0.0332	<0.015	
Area 10-S-G7 NW	11/2/2010	11/16/2010	0.0439	0.0393	0.0867	<0.0424	<0.0172	0.0393	<0.016	
Area 10-S-G8 NW	11/2/2010	11/16/2010	0.11	0.11	0.162	0.0641	<0.0171	0.0728	<0.0159	
Area 10-S-A9SW	11/10/2010	11/16/2010	0.845	0.97	1.06	0.576	0.303	0.698	<0.015	
Area 10-S-A8EW-R2	11/10/2010	11/16/2010	0.589	0.586	0.597	0.496	0.192	0.398	<0.0146	
Area10-S-G9NW	11/15/2010	11/19/2010	<0.0124	0.042	0.0727	<0.0416	<0.0169	<0.0348	<0.0157	
Area10-S-G10EW-D	11/15/2010	11/19/2010	0.253	0.212	0.25	0.146	0.0643	0.139	<0.0148	
Area10-S-G10EW	11/15/2010	11/19/2010	0.0731	0.0785	0.095	0.0491	<0.0161	0.0541	<0.0151	
Area10-S-C10EW	11/15/2010	11/19/2010	0.0634	0.0917	0.102	0.0676	<0.0159	0.0708	<0.0149	
Area10-S-D10EW	11/15/2010	11/19/2010	0.249	0.265	0.243	0.2	0.0869	0.163	<0.016	
Area10-S-E10EW	11/15/2010	11/19/2010	1.93	1.87	1.79	1.18	0.519	1.17	0.0479	No further excavation due to New Smelter Slab
Area10-S-F10EW	11/15/2010	11/19/2010	0.0621	0.0637	0.0888	<0.0442	<0.0179	0.0482	<0.0167	
Area 10-5 - B10EW	11/23/2010	12/2/2010	0.235	0.291	0.301	0.224	0.0592	0.107	<0.0143	
Area 10-5 - E10EW-R1	11/23/2010	12/2/2010	<0.0112	<0.00817	<0.0388	<0.0378	<0.0153	<0.0316	<0.0143	

Notes:  
All results in milligrams per kilogram (mg/kg)  
Yellow shading denotes exceedance of remediation objective



TABLE A-2-K  
AREA 13  
CONFIRMATION SOIL SAMPLE ANALYTICAL RESULTS FOR POLYNUCLEAR AROMATIC HYDROCARBONS (PAH)  
OMC PLANT 2 PHASE II REMEDIAL ACTION

Sample ID	Date of Sample Collection	Date of Lab Report	Benz(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(k)fluoranthene	Dibenz(a,h)anthracene	Indeno(1,2,3-cd)pyrene	Naphthalene
SITE REMEDIATION GOALS			1.8	2.1	2	6.2	0.42	1.6	1.8
Area 13- W - Westbase	11/17/2010	11/24/2010	<0.673	<0.577	<0.673	<0.769	<0.577	<0.481	<0.481

Notes:  
All results in milligrams per kilogram (mg/kg)



**TABLE A-3**  
**TRICHLOROETHYLENE (TCE) RESULTS FROM CONFIRMATION SAMPLES**  
**PLANT 2 GRID AREAS**  
**OUTBOARD MARINE CORPORATION PLANT 2**

Sample ID	Date of Sample Collection	Date of Lab Report	TCE Concentration mg/kg
SITE REMEDIATION GOAL			0.053
Grid-S-I11-Base-2	12/16/2010	12/22/2010	0.00121
Grid-S-K15-Base-1	12/16/2010	12/22/2010	0.00287
Grid-S-L21-Base-1	12/16/2010	12/22/2010	0.146
Grid-S-M13-Base-4	12/16/2010	12/22/2010	0.00105
Grid-S-M19-Base-4	12/16/2010	12/22/2010	0.0826
Grid-S-M19-Base-4-Dup	12/16/2010	12/22/2010	0.0961
Grid-S-M20-Base-3	12/16/2010	12/22/2010	0.0886
Grid-S- F17-Base-3	12/22/2010	1/3/2011	0.0166
Grid-S- F20-Base-1	12/22/2010	1/3/2011	0.143
Grid-S- G21-Base-2	12/22/2010	1/3/2011	0.00894
Grid-S-F20-Base-2	1/26/2011	1/31/2011	0.134
Grid-S-F20-Base-3	2/7/2011	2/10/2011	0.0881
Grid-S-C21-Base-3	2/9/2011	2/16/2011	1.84
Grid-S-C22-Base-3	2/9/2011	2/16/2011	1.28
Grid-S-D21-Base-3	2/9/2011	2/16/2011	7.31
Grid-S-D22-Base-3	2/9/2011	2/16/2011	15.3
Grid-S-D23-Base-3	2/9/2011	2/16/2011	10.6
Grid-S-E21-Base-3	2/9/2011	2/16/2011	4.08
Grid-S-E22-Base-3	2/9/2011	2/16/2011	1.04
Grid-S-E23-Base-3	2/9/2011	2/16/2011	4.18
Grid-S-F21-Base-3	2/9/2011	2/16/2011	2.76
Grid-S-F22-Base-3	2/9/2011	2/16/2011	2.77
Grid-S-G22-Base-2	2/9/2011	2/16/2011	0.897
Grid-S-I21-Base-4	2/9/2011	2/16/2011	0.283
Grid-S-I22-Base-2	2/9/2011	2/16/2011	2.77
Grid-S-J22-Base-3	2/9/2011	2/16/2011	0.00451
Grid-S-C21-Base-4	2/17/2011	2/23/2011	0.212
Grid-S-C22-Base-4	2/17/2011	2/23/2011	29.3
Grid-S-D21-Base-4	2/17/2011	2/23/2011	0.0614
Grid-S-D22-Base-4	2/17/2011	2/23/2011	0.142
Grid-S-D23-Base-4	2/17/2011	2/23/2011	0.0398
Grid-S-E21-Base-4	2/17/2011	2/23/2011	0.0372
Grid-S-E22-Base-4	2/17/2011	2/23/2011	2.36
Grid-S-E23-Base-4	2/17/2011	2/23/2011	0.0188
Grid-S-F21-Base-4	2/17/2011	2/23/2011	7.69
Grid-S-F22-Base-4	2/17/2011	2/23/2011	0.19
Grid-S-G22-Base-4	2/17/2011	2/23/2011	0.0129
Grid-S-H22-Base-4	2/17/2011	2/23/2011	0.0153
Grid-S-I22-Base-4	2/17/2011	2/23/2011	0.197
Grid-S-F20-Base-4	2/23/2011	2/28/2011	1.29
Grid-S-C15-Base-4	4/25/2011	4/29/2011	49.1
Grid-S-C16-Base-4	4/25/2011	4/29/2011	2.31

Notes:

All results in milligrams per kilogram (mg/kg)

Exceeds Remediation Objective of 0.053 mg/kg



**TABLE A-4**  
**NORTH DITCH WATER RESULTS**  
**OUTBOARD MARINE CORPORATION PLANT 2 SITE**

Field ID	Parameter	Collection Date	Analysis Date	Flag	Results	Units
<b>PRE REMEDIATION</b>						
OMC-NORTH DITCH WEST	Aldrin	08/19/10	08/25/10	U	<0.012	ug/L
OMC-NORTH DITCH WEST	alpha-Chlordane	08/19/10	08/25/10		0.083	ug/L
OMC-NORTH DITCH WEST	Arsenic	08/19/10	08/25/10		877	ug/L
OMC-NORTH DITCH WEST	alpha-BHC	08/19/10	08/25/10	U	<0.0060	ug/L
OMC-NORTH DITCH WEST	beta-BHC	08/19/10	08/25/10	U	<0.013	ug/L
OMC-NORTH DITCH WEST	delta-BHC	08/19/10	08/25/10	U	<0.0090	ug/L
OMC-NORTH DITCH WEST	gamma-BHC (Lindane)	08/19/10	08/25/10		1.9	ug/L
OMC-NORTH DITCH WEST	Cadmium	08/19/10	08/25/10	U	<0.26	ug/L
OMC-NORTH DITCH WEST	Chlordane (Technical)	08/19/10	08/25/10		13.6	ug/L
OMC-NORTH DITCH WEST	gamma-Chlordane	08/19/10	08/25/10		0.088	ug/L
OMC-NORTH DITCH WEST	Chromium	08/19/10	08/25/10		15.2	ug/L
OMC-NORTH DITCH WEST	Copper	08/19/10	08/25/10		54.5	ug/L
OMC-NORTH DITCH WEST	4,4'-DDD	08/19/10	08/25/10	J	0.024J	ug/L
OMC-NORTH DITCH WEST	4,4'-DDE	08/19/10	08/25/10		0.43	ug/L
OMC-NORTH DITCH WEST	4,4'-DDT	08/19/10	08/25/10		0.14	ug/L
OMC-NORTH DITCH WEST	Dieldrin	08/19/10	08/25/10		0.21	ug/L
OMC-NORTH DITCH WEST	Endosulfan I	08/19/10	08/25/10	U	<0.011	ug/L
OMC-NORTH DITCH WEST	Endosulfan II	08/19/10	08/25/10	J	0.054J	ug/L
OMC-NORTH DITCH WEST	Endosulfan sulfate	08/19/10	08/25/10	J	0.067J	ug/L
OMC-NORTH DITCH WEST	Endrin	08/19/10	08/25/10	U	<0.023	ug/L
OMC-NORTH DITCH WEST	Endrin aldehyde	08/19/10	08/25/10	J	0.065J	ug/L
OMC-NORTH DITCH WEST	Endrin ketone	08/19/10	08/25/10	U	<0.016	ug/L
OMC-NORTH DITCH WEST	Heptachlor	08/19/10	08/25/10		0.87	ug/L
OMC-NORTH DITCH WEST	Heptachlor epoxide	08/19/10	08/25/10		1.8	ug/L
OMC-NORTH DITCH WEST	Lead	08/19/10	08/25/10		86.2	ug/L
OMC-NORTH DITCH WEST	Methoxychlor	08/19/10	08/25/10		0.68	ug/L
OMC-NORTH DITCH WEST	Nickel	08/19/10	08/25/10		10.3	ug/L
OMC-NORTH DITCH WEST	Nitrogen, Ammonia	08/19/10	08/25/10		0.86	mg/L
OMC-NORTH DITCH WEST	PCB-1016 (Aroclor 1016)	08/19/10	08/25/10	U	<7.5	ug/L
OMC-NORTH DITCH WEST	PCB-1221 (Aroclor 1221)	08/19/10	08/25/10	U	<7.5	ug/L
OMC-NORTH DITCH WEST	PCB-1232 (Aroclor 1232)	08/19/10	08/25/10	U	<7.5	ug/L
OMC-NORTH DITCH WEST	PCB-1242 (Aroclor 1242)	08/19/10	08/25/10		148	ug/L
OMC-NORTH DITCH WEST	PCB-1248 (Aroclor 1248)	08/19/10	08/25/10	U	<7.5	ug/L
OMC-NORTH DITCH WEST	PCB-1254 (Aroclor 1254)	08/19/10	08/25/10	U	<7.5	ug/L
OMC-NORTH DITCH WEST	PCB-1260 (Aroclor 1260)	08/19/10	08/25/10	J	8.0J	ug/L
OMC-NORTH DITCH WEST	PCB, Total	08/19/10	08/25/10		156	ug/L
OMC-NORTH DITCH WEST	Total Suspended Solids	08/19/10	08/25/10		730	mg/L
OMC-NORTH DITCH WEST	Toxaphene	08/19/10	08/25/10		9.7	ug/L
OMC-NORTH DITCH WEST	Zinc	08/19/10	08/25/10		384	ug/L
OMC-NORTH DITCH WEST	Tetrachloro-m-xylene (S)	08/19/10	08/25/10		53	%
OMC-NORTH DITCH WEST	Tetrachloro-m-xylene (S)	08/19/10	08/25/10		56	%
OMC-NORTH DITCH WEST	Decachlorobiphenyl (S)	08/19/10	08/25/10		67	%
OMC-NORTH DITCH WEST	Decachlorobiphenyl (S)	08/19/10	08/25/10		70	%
<b>DISCHARGE AFTER FILTRATION</b>						
NORTH DITCH DISCHARGE	PCB-1016 (Aroclor 1016)	09/30/10	10/06/10	U	<0.24	ug/L
NORTH DITCH DISCHARGE	PCB-1221 (Aroclor 1221)	09/30/10	10/06/10	U	<0.24	ug/L
NORTH DITCH DISCHARGE	PCB-1232 (Aroclor 1232)	09/30/10	10/06/10	U	<0.24	ug/L
NORTH DITCH DISCHARGE	PCB-1242 (Aroclor 1242)	09/30/10	10/06/10		1.7	ug/L
NORTH DITCH DISCHARGE	PCB-1248 (Aroclor 1248)	09/30/10	10/06/10	U	<0.24	ug/L
NORTH DITCH DISCHARGE	PCB-1254 (Aroclor 1254)	09/30/10	10/06/10	U	<0.24	ug/L
NORTH DITCH DISCHARGE	PCB-1260 (Aroclor 1260)	09/30/10	10/06/10	U	<0.24	ug/L
NORTH DITCH DISCHARGE	Tetrachloro-m-xylene (S)	09/30/10	10/06/10		79	%
NORTH DITCH DISCHARGE	PCB-1016 (Aroclor 1016)	10/01/10	10/06/10	U	<0.25	ug/L
NORTH DITCH DISCHARGE	PCB-1221 (Aroclor 1221)	10/01/10	10/06/10	U	<0.25	ug/L
NORTH DITCH DISCHARGE	PCB-1232 (Aroclor 1232)	10/01/10	10/06/10	U	<0.25	ug/L
NORTH DITCH DISCHARGE	PCB-1242 (Aroclor 1242)	10/01/10	10/06/10		2.0	ug/L
NORTH DITCH DISCHARGE	PCB-1248 (Aroclor 1248)	10/01/10	10/06/10	U	<0.25	ug/L
NORTH DITCH DISCHARGE	PCB-1254 (Aroclor 1254)	10/01/10	10/06/10	U	<0.25	ug/L
NORTH DITCH DISCHARGE	PCB-1260 (Aroclor 1260)	10/01/10	10/06/10	U	<0.25	ug/L
NORTH DITCH DISCHARGE	Tetrachloro-m-xylene (S)	10/01/10	10/06/10		76	%

**POST REMEDIATION AND SOIL AMENDMENT PRIOR TO BERM REMOVAL**

Field ID	Parameter	Collection Date	Analysis Date	Results	Units
ND1	pH	11/8/2010	11/9/2010	7.83	pH units



**TABLE A-5**  
**RETENTION BASIN WATER SAMPLE**  
**OUTBOARD MARINE CORPORATION PLANT 2 SITE**

Field ID	Parameter	Collection Date	Analysis Date	Flag	Results	Units
OMC-RETENTION POND	Aldrin	9/2/2010	9/11/2010	U	<0.011	ug/L
OMC-RETENTION POND	alpha-Chlordane	9/2/2010	9/11/2010	J	0.025	ug/L
OMC-RETENTION POND	Arsenic	9/2/2010	9/11/2010	J	9.6	ug/L
OMC-RETENTION POND	alpha-BHC	9/2/2010	9/11/2010	U	<0.0058	ug/L
OMC-RETENTION POND	beta-BHC	9/2/2010	9/11/2010	U	<0.012	ug/L
OMC-RETENTION POND	delta-BHC	9/2/2010	9/11/2010	U	<0.0088	ug/L
OMC-RETENTION POND	gamma-BHC (Lindane)	9/2/2010	9/11/2010	U	<0.0075	ug/L
OMC-RETENTION POND	Cadmium	9/2/2010	9/11/2010	J	1.7	ug/L
OMC-RETENTION POND	Chlordane (Technical)	9/2/2010	9/11/2010		2.5	ug/L
OMC-RETENTION POND	gamma-Chlordane	9/2/2010	9/11/2010	J	0.019	ug/L
OMC-RETENTION POND	Chromium	9/2/2010	9/11/2010		23.1	ug/L
OMC-RETENTION POND	Chromium, Hexavalent	9/2/2010	9/11/2010	U	<0.0039	mg/L
OMC-RETENTION POND	Copper	9/2/2010	9/11/2010		34.4	ug/L
OMC-RETENTION POND	4,4'-DDD	9/2/2010	9/11/2010	U	<0.022	ug/L
OMC-RETENTION POND	4,4'-DDE	9/2/2010	9/11/2010		0.17	ug/L
OMC-RETENTION POND	4,4'-DDT	9/2/2010	9/11/2010	J	0.083	ug/L
OMC-RETENTION POND	Dieldrin	9/2/2010	9/11/2010	J	0.067	ug/L
OMC-RETENTION POND	Endosulfan I	9/2/2010	9/11/2010	U	<0.010	ug/L
OMC-RETENTION POND	Endosulfan II	9/2/2010	9/11/2010	U	<0.022	ug/L
OMC-RETENTION POND	Endosulfan sulfate	9/2/2010	9/11/2010	U	<0.016	ug/L
OMC-RETENTION POND	Endrin	9/2/2010	9/11/2010	U	<0.023	ug/L
OMC-RETENTION POND	Endrin aldehyde	9/2/2010	9/11/2010	U	<0.018	ug/L
OMC-RETENTION POND	Endrin ketone	9/2/2010	9/11/2010	U	<0.015	ug/L
OMC-RETENTION POND	Heptachlor	9/2/2010	9/11/2010	U	<0.0086	ug/L
OMC-RETENTION POND	Heptachlor epoxide	9/2/2010	9/11/2010	U	<0.0079	ug/L
OMC-RETENTION POND	Lead	9/2/2010	9/11/2010		73.5	ug/L
OMC-RETENTION POND	Mercury	9/2/2010	9/11/2010	U	<0.10	ug/L
OMC-RETENTION POND	Methoxychlor	9/2/2010	9/11/2010	U	<0.084	ug/L
OMC-RETENTION POND	Nickel	9/2/2010	9/11/2010		13.3	ug/L
OMC-RETENTION POND	Nitrogen, Ammonia	9/2/2010	9/11/2010	U	<0.25	mg/L
OMC-RETENTION POND	PCB-1016 (Aroclor 1016)	9/2/2010	9/11/2010	U	<0.24	ug/L
OMC-RETENTION POND	PCB-1221 (Aroclor 1221)	9/2/2010	9/11/2010	U	<0.24	ug/L
OMC-RETENTION POND	PCB-1232 (Aroclor 1232)	9/2/2010	9/11/2010	U	<0.24	ug/L
OMC-RETENTION POND	PCB-1242 (Aroclor 1242)	9/2/2010	9/11/2010	U	<0.24	ug/L
OMC-RETENTION POND	PCB-1248 (Aroclor 1248)	9/2/2010	9/11/2010	U	<0.24	ug/L
OMC-RETENTION POND	PCB-1254 (Aroclor 1254)	9/2/2010	9/11/2010	U	<0.24	ug/L
OMC-RETENTION POND	PCB-1260 (Aroclor 1260)	9/2/2010	9/11/2010		0.59	ug/L
OMC-RETENTION POND	Total Suspended Solids	9/2/2010	9/11/2010		410	mg/L
OMC-RETENTION POND	Toxaphene	9/2/2010	9/11/2010	U	<0.46	ug/L
OMC-RETENTION POND	Zinc	9/2/2010	9/11/2010		264	ug/L
OMC-RETENTION POND	Tetrachloro-m-xylene (S)	9/2/2010	9/11/2010		100	%
OMC-RETENTION POND	Tetrachloro-m-xylene (S)	9/2/2010	9/11/2010		64	%
OMC-RETENTION POND	Decachlorobiphenyl (S)	9/2/2010	9/11/2010		65	%



**TABLE A-6**  
**ANALYTICAL RESULTS FOR IMPORTED SAND FOR DUNE AREA**  
**OUTBOARD MARINE CORPORATION PLANT 2 SITE**

Compound Class	Analyte	Residential Properties				Sample ID
		Exposure Route-Specific Values for Soils		Soil Component of the Groundwater Ingestion Exposure Route Values		Fill Sand #2
		Ingestion	Migration	Class I	Class II	
GC Semivolatiles	2,4,5-TP (Silvex)	630		11	55	0
GC Semivolatiles	2,4-D	780		1.5	7.7	0
GC Semivolatiles	4,4'-DDD	3		16	80	0
GC Semivolatiles	4,4'-DDE	2		54	270	0
GC Semivolatiles	4,4'-DDT	2		32	160	0
GC Semivolatiles	Aldrin	0.04	3	0.5	2.5	0
GC Semivolatiles	alpha-BHC	0.1	0.8	0.0005	0.003	0
GC Semivolatiles	Aroclor 1016					0
GC Semivolatiles	Aroclor 1221					0
GC Semivolatiles	Aroclor 1232					0
GC Semivolatiles	Aroclor 1242					0
GC Semivolatiles	Aroclor 1248					0
GC Semivolatiles	Aroclor 1254					0
GC Semivolatiles	Aroclor 1260					0
GC Semivolatiles	Aroclor 1262					0
GC Semivolatiles	Aroclor 1268					0
GC Semivolatiles	beta-BHC					0
GC Semivolatiles	Chlordane	1.8	72	10	48	0
GC Semivolatiles	Dalapon	2300		0.85	8.5	0
GC Semivolatiles	delta-BHC					0
GC Semivolatiles	Dieldrin	0.04	1	0.004	0.02	0
GC Semivolatiles	Dinoseb	78		0.34	3.4	0
GC Semivolatiles	Endosulfan I	470		18	90	0
GC Semivolatiles	Endosulfan II					0
GC Semivolatiles	Endosulfan sulfate					0
GC Semivolatiles	Endrin	23		1	5	0
GC Semivolatiles	Endrin aldehyde					0
GC Semivolatiles	Endrin ketone					0
GC Semivolatiles	Gamma-BHC					0
GC Semivolatiles	Heptachlor	0.1	0.1	23	110	0
GC Semivolatiles	Heptachlor epoxide	0.07	5	0.7	3.3	0
GC Semivolatiles	Methoxychlor	390		160	780	0
GC Semivolatiles	Total PCB's					0
GC Semivolatiles	Toxaphene	0.6	89	31	150	0
GCMS Semivolatiles	1,2,4-Trichlorobenzene	780	3200	5	53	0
GCMS Semivolatiles	1,2-Dichlorobenzene	7000	560	17	43	0
GCMS Semivolatiles	1,2-Diphenyl-hydrazine					0
GCMS Semivolatiles	1,3-Dichlorobenzene					0
GCMS Semivolatiles	1,4-Dichlorobenzene		11000	2	11	0
GCMS Semivolatiles	2,2'-oxybis(1-chloropropane)					0
GCMS Semivolatiles	2,4,5-Trichlorophenol	7800		270	1400	0
GCMS Semivolatiles	2,4,6-Trichlorophenol	58	200	0.2	0.77	0
GCMS Semivolatiles	2,4-Dichlorophenol	230		1	1	0
GCMS Semivolatiles	2,4-Dimethylphenol	1600		9	9	0
GCMS Semivolatiles	2,4-Dinitrophenol	160		0.2	0.2	0
GCMS Semivolatiles	2,4-Dinitrotoluene	0.9		0.0008	0.0008	0
GCMS Semivolatiles	2,6-Dichlorophenol					0
GCMS Semivolatiles	2,6-Dinitrotoluene	0.9		0.0007	0.0007	0
GCMS Semivolatiles	2-Chloronaphthalene					0
GCMS Semivolatiles	2-Chlorophenol	390	53000	4	4	0
GCMS Semivolatiles	2-Methylnaphthalene					0
GCMS Semivolatiles	2-Methylphenol	3900		15	15	0
GCMS Semivolatiles	2-Nitroaniline					0
GCMS Semivolatiles	2-Nitrophenol					0
GCMS Semivolatiles	3,3'-Dichlorobenzidine	1		0.007	0.033	0
GCMS Semivolatiles	3/4-Methylphenol					0
GCMS Semivolatiles	3-Nitroaniline					0
GCMS Semivolatiles	4,6-Dinitro-2-methylphenol					0
GCMS Semivolatiles	4-Bromophenyl phenyl ether					0
GCMS Semivolatiles	4-Chloro-3-methylphenol					0
GCMS Semivolatiles	4-Chloroaniline	310		0.7	0.7	0
GCMS Semivolatiles	4-Chlorophenyl phenyl ether					0
GCMS Semivolatiles	4-Nitroaniline					0
GCMS Semivolatiles	4-Nitrophenol					0
GCMS Semivolatiles	Acenaphthene	4700		570	2900	0
GCMS Semivolatiles	Acenaphthylene					0
GCMS Semivolatiles	Acetophenone					0
GCMS Semivolatiles	Aniline					0
GCMS Semivolatiles	Anthracene	23000		12000	59000	0
GCMS Semivolatiles	Benzidine					0
GCMS Semivolatiles	Benzo[a]anthracene	0.9		2	8	0
GCMS Semivolatiles	Benzo[a]pyrene	0.09		8	82	0
GCMS Semivolatiles	Benzo[b]fluoranthene	0.9		5	25	0
GCMS Semivolatiles	Benzo[g,h,i]perylene					0
GCMS Semivolatiles	Benzo[k]fluoranthene	9		49	250	0
GCMS Semivolatiles	Benzoic acid	310000		400	400	0
GCMS Semivolatiles	Benzyl alcohol					0
GCMS Semivolatiles	Bis(2-chloroethoxy)methane					0
GCMS Semivolatiles	Bis(2-chloroethyl)ether	0.6	0.2	0.0004	0.0004	0
GCMS Semivolatiles	Bis(2-ethylhexyl)phthalate	46	31000	3600	31000	0
GCMS Semivolatiles	Butyl benzyl phthalate	16000	930	930	930	0
GCMS Semivolatiles	Carbazole	32		0.6	2.8	0
GCMS Semivolatiles	Chrysene	88		160	800	0
GCMS Semivolatiles	Dibenz[a,h]anthracene					0
GCMS Semivolatiles	Dibenzofuran					0
GCMS Semivolatiles	Diethyl phthalate	63000	2000	470	470	0
GCMS Semivolatiles	Dimethyl phthalate					0
GCMS Semivolatiles	Di-n-butyl phthalate	7800	2300	2300	2300	0
GCMS Semivolatiles	Di-n-octyl phthalate	1600	10000	10000	10000	0
GCMS Semivolatiles	Fluoranthene	3100		4300	21000	0
GCMS Semivolatiles	Fluorene	3100		560	2800	0



**TABLE A-6**  
**ANALYTICAL RESULTS FOR IMPORTED SAND FOR DUNE AREA**  
**OUTBOARD MARINE CORPORATION PLANT 2 SITE**

Compound Class	Analyte	Residential Properties				Sample ID
		Exposure Route-Specific Values for Soils		Soil Component of the Groundwater Ingestion Exposure Route Values		Fill Sand #2
		Ingestion	Migration	Class I	Class II	
GCMS Semivolatiles	Hexachlorobenzene	0.4	1	2	11	0
GCMS Semivolatiles	Hexachlorobutadiene					0
GCMS Semivolatiles	Hexachlorocyclopentadiene	550	10	400	2200	0
GCMS Semivolatiles	Hexachloroethane	78		0.5	2.6	0
GCMS Semivolatiles	Indeno[1,2,3cd]pyrene					0
GCMS Semivolatiles	Isophorone	15600	4600	8	8	0
GCMS Semivolatiles	Naphthalene	1600	170	12	18	0
GCMS Semivolatiles	Nitrobenzene	39	92	0.1	0.1	0
GCMS Semivolatiles	N-Nitrosodimethylamine					0
GCMS Semivolatiles	N-Nitrosodi-n-propylamine	0.09		0.00005	0.00005	0
GCMS Semivolatiles	N-Nitrosodiphenylamine	130		1	5.6	0
GCMS Semivolatiles	Pentachlorophenol	3		0.03	0.14	0
GCMS Semivolatiles	Phenanthrene					0
GCMS Semivolatiles	Phenol	23000		100	100	0
GCMS Semivolatiles	Pyrene	2300		4200	21000	0
GCMS Semivolatiles	Pyridine					0
GCMS Semivolatiles	Total Cresol					0
GCMS Volatiles	1,1,1,2-Tetrachloroethane					0
GCMS Volatiles	1,1,1-Trichloroethane		1200	2	9.6	0
GCMS Volatiles	1,1,2,2-Tetrachloroethane					0
GCMS Volatiles	1,1,2-Trichloroethane	310	1800	0.02	0.3	0
GCMS Volatiles	1,1-Dichloroethane	7800	1300	23	110	0
GCMS Volatiles	1,1-Dichloroethene	3900	290	0.06	0.36	0
GCMS Volatiles	1,2-Dichloroethane	7	0.04	0.02	0.1	0
GCMS Volatiles	1,2-Dichloropropane	9	15	0.03	0.15	0
GCMS Volatiles	2-Butanone					0
GCMS Volatiles	2-Hexanone					0
GCMS Volatiles	4-Methyl-2-Pentanone					0
GCMS Volatiles	Acetone	70000	100000	25	25	0
GCMS Volatiles	Acrolein					0
GCMS Volatiles	Acrylonitrile					0
GCMS Volatiles	Benzene	12	0.8	0.03	0.17	0.0086
GCMS Volatiles	Bromodichloromethane	10	3000	0.6	0.6	0
GCMS Volatiles	Bromoform	81	53	0.8	0.8	0
GCMS Volatiles	Bromomethane	110	10	0.2	1.2	0
GCMS Volatiles	Carbon Disulfide	7800	720	32	160	0
GCMS Volatiles	Carbon tetrachloride	5	0.33	0.07	0.33	0
GCMS Volatiles	Chlorobenzene	1600	130	1	6.5	0
GCMS Volatiles	Chloroethane					0
GCMS Volatiles	Chloroform	100	0.3	0.6	2.9	0
GCMS Volatiles	Chloromethane					0
GCMS Volatiles	cis-1,2-Dichloroethene	780	1200	0.4	1.1	0
GCMS Volatiles	cis-1,3-Dichloropropene					0
GCMS Volatiles	Dibromochloromethane	1600	1300	0.4	0.4	0
GCMS Volatiles	Ethylbenzene	7800	400	13	19	0.0064
GCMS Volatiles	m,p-Xylene					0.0094
GCMS Volatiles	Methylene chloride	85	13	0.02	0.2	0
GCMS Volatiles	Methyl-t-Butyl Ether					0
GCMS Volatiles	o-Xylene	16000	410	190	190	0
GCMS Volatiles	Styrene	16000	1500	4	18	0
GCMS Volatiles	Tetrachloroethene					0
GCMS Volatiles	Toluene	16000	650	12	29	0.019
GCMS Volatiles	Total 1,2-Dichloroethene					0
GCMS Volatiles	Total Xylenes					0.013
GCMS Volatiles	trans-1,2-Dichloroethene	1600	3100	0.7	3.4	0
GCMS Volatiles	trans-1,3-Dichloropropene					0
GCMS Volatiles	Trichloroethene					0
GCMS Volatiles	Trichlorofluoromethane					0
GCMS Volatiles	Vinyl Acetate	78000	1000	170	170	0
GCMS Volatiles	Vinyl chloride	0.46	0.28	0.01	0.07	0
Metals	Aluminum					2000
Metals	Antimony	31		0.006	0.024	0
Metals	Arsenic		750	0.05	0.2	2.4
Metals	Beryllium	160	1300	0.004	0.5	0
Metals	Cadmium	78	1800	0.005	0.05	0
Metals	Calcium					57000
Metals	Chromium	230	270	0.1	1	0
Metals	Copper	2900		0.65	0.65	7.7
Metals	Iron			5	5	6000
Metals	Lead	400		0.0075	0.1	2.9
Metals	Magnesium					35000
Metals	Manganese	1600	69000	0.15	10	190
Metals	Mercury	23	10	0.002	0.01	0
Metals	Nickel	1600	13000	0.1	2	4.8
Metals	Potassium					370
Metals	Selenium	390		0.05	0.05	0
Metals	Silver	390		0.05		0
Metals	Sodium					130
Metals	Thallium	6.3		0.002	0.02	0
Metals	Zinc	23000		5	10	18
Wet Chemistry	Percent Solids					930000.0235

**Notes**

All concentrations are listed in mg/Kg or mg/L (ppm)

All values taken from the Feb 23, 2007 revision of the IL TACO (Tiered Approach to Corrective Action Objectives) program



**Appendix B**  
**Laboratory Data Packages**  
**(CD)**



**Appendix C**  
**Waste Manifests**  
**(CD)**



**Appendix D**  
**Air Monitoring Data and Summary Table**



# PM10 MONITORING ANALYTICAL RESULTS

No	Date	Sample location	Flow Volume Standard Air (m3)	PM10 ug/filter	PM10 ug/m3	Actual Sample Time (mins)	Actual Sample Time (hrs)	PM10 Prorated to 24-Hour (ug/m3)	Wind Direction Origin	Notes
1	5/1/2010	AS-E1	858.34	7800	9.087307	744	12.4	17.59	SSW	Background
		AS-N1	887.66	7500	8.449163	767	12.78	15.86	SSW	Background
		AS-W1	883.48	8900	10.07378	767	12.78	18.91	SSW	Background
		AS-S1	513.03	8800	17.15284	446	7.43	55.38	SSW	Background
		AS-S1D	877.64	9500	10.82451	755	12.58	20.65	SSW	Background
2	5/2/2010	AS-E1	1140.66	5800	5.084785	985	16.42	7.43	S	Background
		AS-N1	1507.55	11400	7.561958	1294	21.57	8.42	S	Background
		AS-W1	714.22	9300	13.02129	617	10.28	30.39	S	Background
		AS-S1	1366.30	8800	6.440768	1180	19.67	7.86	S	Background
		AS-S1D	1350.34	9700	7.183402	1154	19.23	8.96	S	Background
3	5/3/2010	AS-E1	1507.55	15500	10.28159	1289	21.48	11.49	WSW	Background
		AS-N1	1461.62	16000	10.94679	1246	20.77	12.65	WSW	Background
		AS-W1	1073.86	12900	12.01274	925	15.42	18.70	WSW	Background
		AS-S1	912.89	16300	17.85537	789	13.15	32.59	WSW	Background
		AS-S1D	942.38	16100	17.08439	806	13.43	30.52	WSW	Background
4	5/4/2010	AS-E1	1318.28	20400	15.47473	1142	19.03	19.51	SSW	Background
		AS-N1	1312.74	27600	21.02475	1132	18.87	26.75	SSW	Background
		AS-W1	1353.75	26000	19.20592	1174	19.57	23.56	SSW	Background
		AS-S1	1135.55	53500	47.11362	985	16.42	68.88	SSW	Background
		AS-S1D	1126.36	50400	44.746	968	16.13	66.56	SSW	Background
5	Week of 5/12/2010 - No Samples Collected, due to rain all week									
6	5/18/2010	AS-E1	1362.20	28100	20.62839	1151	19.18	25.81	NE	
		AS-N1	1347.47	9600	7.124452	1136	18.93	9.03	NE	
		AS-W1	1389.49	22700	16.33694	1145	19.08	20.55	NE	
		AS-S1	1513.12	21500	14.20908	1284	21.40	15.94	NE	
		AS-S1D	1531.79	16200	10.57589	1285	21.42	11.85	NE	
7	5/25/2010	AS-E1	1307.91	34100	26.0722	1126.8	18.78	33.32	NE	
		AS-N1	1293.06	32600	25.21151	1111.2	18.52	32.67	NE	
		AS-W1	922.49	76100	82.49375	808.2	13.47	146.98	NE	
		AS-S1	1075.22	30100	27.99424	930.6	15.51	43.32	NE	
		AS-S1D	1093.04	29000	26.53158	928.8	15.48	41.13	NE	



# PM10 MONITORING ANALYTICAL RESULTS

No	Date	Sample location	Flow Volume Standard Air (m3)	PM10 ug/filter	PM10 ug/m3	Actual Sample Time (mins)	Actual Sample Time (hrs)	PM10 Prorated to 24-Hour (ug/m3)	Wind Direction Origin	Notes
8	6/3/2010	AS-E1	924.55	7700	8.328382	792.6	13.21	15.13	N-NE	
		AS-N1	867.40	6500	7.493682	744.6	12.41	14.49	N-NE	
		AS-W1	940.19	13100	13.93334	804.6	13.41	24.94	N-NE	
		AS-S1	746.66	17400	23.30371	643.8	10.73	52.12	N-NE	
		AS-S1D	756.42	17600	23.26739	642.6	10.71	52.14	N-NE	
9	6/9/2010	AS-E1	1286.59	25500	19.81985	1118.4	18.64	25.52	WNW	
		AS-N1	1279.57	24400	19.0689	1109.4	18.49	24.75	WNW	
		AS-W1	1329.62	19600	14.741	1153.8	19.23	18.40	WNW	
		AS-S1	1655.86	50900	30.73927	1440	24.00	30.74	WNW	
		AS-S1D	1671.38	53600	32.06932	1437	23.95	32.14	WNW	
10	6/16/2010	AS-E1	800.64	10500	13.11453	690	11.50	27.37		
		AS-N1	784.10	11100	14.15629	674.4	11.24	30.23		
		AS-W1	877.78	11900	13.55689	756.6	12.61	25.80		
		AS-S1	1666.85	26300	15.7783	1438.2	23.97	15.80		
		AS-S1D	1683.66	26200	15.56136	1438.8	23.98	15.57		
11	6/24/2010	AS-E1	973.05	11100	11.40744	834.6	13.91	19.68		
		AS-N1	829.38	12000	14.46871	710.4	11.84	29.33		
		AS-W1	1089.57	16400	15.05176	915	15.25	23.69		
		AS-S1	1678.31	54600	32.53278	1446	24.10	32.40		
		AS-S1D	1689.49	53700	31.78469	1438.2	23.97	31.82		
12	6/30/2010	AS-E1	889.36	9600	10.79428	751.8	12.53	20.68		
		AS-N1	799.42	12600	15.76147	675	11.25	33.62		
		AS-W1	857.34	25700	29.97659	726.6	12.11	59.41		
		AS-S1	1710.78	61300	35.83169	1450.8	24.18	35.56		
		AS-S1D	1723.17	61400	35.63205	1446	24.10	35.48		
13	7/12/2010	AS-E1	1158.83	19300	16.65469	1050	17.50	22.84		
		AS-N1	1085.28	18800	17.3227	983.4	16.39	25.37		
		AS-W1	1040.33	20500	19.70523	945.6	15.76	30.01		
		AS-S1	1595.45	26600	16.67246	1435.8	23.93	16.72		
		AS-S1D	1609.94	27400	17.01929	1435.8	23.93	17.07		
14	7/19/2010	AS-E1	864.06	9600	11.11037	753	12.55	21.25		
		AS-N1	781.41	12100	15.48482	678	11.30	32.89		
		AS-W1	976.47	37400	38.30142	849.6	14.16	64.92		
		AS-S1	1674.20	26000	15.52984	1461.6	24.36	15.30		
		AS-S1D	1690.43	27200	16.09055	1460.4	24.34	15.87		



# PM10 MONITORING ANALYTICAL RESULTS

No	Date	Sample location	Flow Volume Standard Air (m3)	PM10 ug/filter	PM10 ug/m3	Actual Sample Time (mins)	Actual Sample Time (hrs)	PM10 Prorated to 24-Hour (ug/m3)	Wind Direction Origin	Notes
15	7/26/2010	AS-E1	1390.53	18100	13.01658	1197	19.95	15.66		
		AS-N1	1450.70	28800	19.85242	1247.4	20.79	22.92		
		AS-W1	1434.22	23400	16.31554	1237.2	20.62	18.99		
		AS-S1	1675.73	28800	17.18652	1454.4	24.24	17.02		
		AS-S1D	1696.49	30000	17.6836	1453.2	24.22	17.52		
16	8/5/2010	AS-E1	610.13	23200	38.02447	533.4	8.89	102.65		
		AS-N1	768.08	23200	30.20507	666	11.10	65.31		
		AS-W1	725.27	29900	41.22616	630	10.50	94.23		
		AS-S1	1634.64	67000	40.98771	1428.6	23.81	41.31		
		AS-S1D	1659.79	67000	40.36667	1430.4	23.84	40.64		
17	8/12/2010	AS-E1	1453.64	34300	23.59594	1272.6	21.21	26.70		
		AS-N1	1423.53	28500	20.0206	1240.8	20.68	23.23		
		AS-W1	1418.18	33000	23.26933	1237.2	20.62	27.08		
		AS-S1	1667.79	31900	19.1271	1462.8	24.38	18.83		
		AS-S1D	1679.26	32200	19.17516	1452.6	24.21	19.01		
18	8/19/2010	AS-E1	946.05	32100	33.93046	822.6	13.71	59.40		
		AS-N1	1286.30	32100	24.9553	1114.2	18.57	32.25		
		AS-W1	1347.10	60500	44.91128	1171.8	19.53	55.19		
		AS-S1	1677.50	76300	45.48423	1467.6	24.46	44.63		
		AS-S1D	1706.25	77600	45.47996	1468.2	24.47	44.61		
19	8/26/2010	AS-E1	1319.21	24000	18.19267	1126.2	18.77	23.26		Filter was damaged
		AS-N1	1459.67	31400	21.51171	1241.4	20.69	24.95		
		AS-W1	785.04	14700	18.72517	668.4	11.14	40.34		
		AS-S1	1673.60	53800	32.14619	1440.6	24.01	32.13		
		AS-S1D	1703.19	53600	31.47034	1440.6	24.01	31.46		
Week of 8/30/2010 - No Samples Collected, due to rain all week										
20	9/8/2010	AS-E1	1482.17	21600	14.57326	1250.4	20.84	16.78		Filter was torn
		AS-N1	1523.42	14700	9.649342	1280.4	21.34	10.85		
		AS-W1	1467.68	22900	15.60283	1237.2	20.62	18.16		
		AS-S1	1659.11	23600	14.22452	1406.4	23.44	14.56		
		AS-S1D	1680.47	23800	14.16274	1404.6	23.41	14.52		



# PM10 MONITORING ANALYTICAL RESULTS

No	Date	Sample location	Flow Volume Standard Air (m3)	PM10 ug/filter	PM10 ug/m3	Actual Sample Time (mins)	Actual Sample Time (hrs)	PM10 Prorated to 24-Hour (ug/m3)	Wind Direction Origin	Notes
21	9/17/2010	AS-E1	827.68	15100	18.24383	702.6	11.71	37.39		
		AS-N1	933.37	13100	14.03516	788.4	13.14	25.63		
		AS-W1	996.15	28200	28.30886	837	13.95	48.70		
		AS-S1	1826.41	34000	18.61573	1558.2	25.97	17.20		
		AS-S1D	1819.37	34400	18.90761	1530.6	25.51	17.79		
22	9/29/2010	AS-E1	1269.63	41700	32.84431	1094.4	18.24	43.22		
		AS-N1	1351.68	41300	30.55454	1162.8	19.38	37.84		
		AS-W1	1387.16	56300	40.58664	1182.6	19.71	49.42		
		AS-S1	1668.97	68200	40.86346	1443.6	24.06	40.76		
		AS-S1D	1695.16	67000	39.52423	1444.8	24.08	39.39		
23	10/6/2010	AS-E1	1527.71	64100	41.95818	1301.4	21.69	46.43		
		AS-N1	1465.92	44400	30.28818	1247.4	20.79	34.96		
		AS-W1	1669.22	54500	32.6499	1407.6	23.46	33.40		
		AS-S1	1652.77	76800	46.46751	1419	23.65	47.16		
		AS-S1D	1729.91	81200	46.93876	1460.4	24.34	46.28		
24	10/12/2010	AS-E1	1378.90	27300	19.79846	1173.6	19.56	24.29		
		AS-N1	1315.07	24300	18.47803	1117.2	18.62	23.82		
		AS-W1	1444.76	52500	36.33831	1217.4	20.29	42.98		
		AS-S1	1596.87	35200	22.04313	1369.2	22.82	23.18		
		AS-S1D	1602.43	32900	20.53138	1353.6	22.56	21.84		
25	10/20/2010	AS-E1	1382.45	120000	86.80219	1177.2	19.62	106.18		
		AS-N1	1393.91	36600	26.25704	1188	19.80	31.83		
		AS-W1	1450.10	68600	47.30713	1226.4	20.44	55.55		
		AS-S1	1659.19	74600	44.9616	1419.6	23.66	45.61		
		AS-S1D	1682.38	75300	44.75805	1421.4	23.69	45.34		
26	10/28/2010	AS-E1	1442.28	8900	6.170767	1189.2	19.82	7.47		
		AS-N1	1564.32	8500	5.433687	1284.6	21.41	6.09		
		AS-W1	1613.84	16500	10.22405	1320	22.00	11.15		
		AS-S1	1725.60	22700	13.15487	1427.4	23.79	13.27		
		AS-S1D	1803.62	23200	12.863	1474.2	24.57	12.56		
27	11/2/2010	AS-E1	1348.89	23200	17.19931	1103.4	18.39	22.45		
		AS-N1	1377.72	17100	12.41182	1124.4	18.74	15.90		
		AS-W1	1284.49	24900	19.38507	1044	17.40	26.74		
		AS-S1	1721.84	31600	18.35242	1418.4	23.64	18.63		
		AS-S1D	1806.19	34600	19.15634	1468.2	24.47	18.79		



# PM10 MONITORING ANALYTICAL RESULTS

No	Date	Sample location	Flow Volume Standard Air (m3)	PM10 ug/filter	PM10 ug/m3	Actual Sample Time (mins)	Actual Sample Time (hrs)	PM10 Prorated to 24-Hour (ug/m3)	Wind Direction Origin	Notes
28	11/8/2010	AS-E1	1534.65	57800	37.66325	1294.8	21.58	41.89		Diesel generator did not run.
		AS-N1	1518.36	54200	35.69641	1281.6	21.36	40.11		
		AS-W1	39.27	5400	137.5195	32.4	0.54	6111.98		
		AS-S1	1715.57	72600	42.31831	1455	24.25	41.88		
		AS-S1D	1735.37	74100	42.69984	1455	24.25	42.26		
29	11/18/2010	AS-E1	1591.60	59800	37.57227	1290	21.50	41.94		
		AS-N1	1678.20	24400	14.53941	1362	22.70	15.37		
		AS-W1	1272.55	180000	141.4484	1028.4	17.14	198.06		
		AS-S1	1792.46	48700	27.16939	1461.6	24.36	26.77		
		AS-S1D	1814.11	50700	27.94761	1462.2	24.37	27.52		
30	2/9/2011	AS-E1	1771.77	21200	11.96542	1375.2	22.92	12.53		
		AS-N1	1586.07	22900	14.43824	1237.2	20.62	16.80		
		AS-W1	1315.07	78000	59.31223	1026	17.10	83.25		
		AS-S1	1712.27	30300	17.69581	1341.6	22.36	18.99		
		AS-S1D	1744.93	32400	18.56809	1339.2	22.32	19.97		
31	3/1/2011	AS-E1	1576.52	23900	15.15999	1279.2	21.32	17.07		
		AS-N1	1436.22	33200	23.11626	1172.4	19.54	28.39		
		AS-W1	1331.81	48400	36.34147	1090.2	18.17	48.00		
		AS-S1	1790.71	39700	22.16998	1464	24.40	21.81		
		AS-S1D	1833.83	40500	22.08492	1464.6	24.41	21.71		
32	3/10/2011	AS-E1	1522.03	16400	10.77506	1237.2	20.62	12.54		
		AS-N1	1471.83	15500	10.53109	1203	20.05	12.61		
		AS-W1	1261.05	18000	14.27378	1025.4	17.09	20.05		
		AS-S1	1718.52	17300	10.06681	1396.8	23.28	10.38		
		AS-S1D	1730.00	16900	9.768793	1396.2	23.27	10.08		
33	3/16/2011	AS-E1	1402.28	29400	20.96586	1163.4	19.39	25.95		
		AS-N1	1703.06	17500	10.27559	1417.2	23.62	10.44		
		AS-W1	1218.44	59400	48.75106	1010.4	16.84	69.48		
		AS-S1	1764.31	53200	30.15342	1462.8	24.38	29.68		
		AS-S1D	1780.75	57400	32.23354	1461	24.35	31.77		
34	3/24/2011	AS-E1	1543.87	15400	9.974916	1241.4	20.69	11.57		
		AS-N1	1637.21	13700	8.367872	1320	22.00	9.13		
		AS-W1	1262.44	16800	13.30761	1015.8	16.93	18.86		
		AS-S1	1748.95	16200	9.262684	1413.6	23.56	9.44		
		AS-S1D	1785.61	7600	4.256249	1410.6	23.51	4.34		



# PM10 MONITORING ANALYTICAL RESULTS

No	Date	Sample location	Flow Volume Standard Air (m3)	PM10 ug/filter	PM10 ug/m3	Actual Sample Time (mins)	Actual Sample Time (hrs)	PM10 Prorated to 24-Hour (ug/m3)	Wind Direction Origin	Notes
35	3/30/2011	AS-E1	1665.90	16100	9.66444	1350.6	22.51	10.30	Generator died	
		AS-N1	1573.42	10900	6.927579	1284	21.40	7.77		
		AS-W1	1475.99	200000	135.5023	1203	20.05	162.20		
		AS-S1	1795.13	24900	13.87085	1461.6	24.36	13.67		
		AS-S1D	1815.71	25100	13.82382	1461.6	24.36	13.62		
36	4/13/2011	AS-E1	1533.66	87600	57.11823	1261.2	21.02	65.22		
		AS-N1	1405.78	32600	23.19003	1170.6	19.51	28.53		
		AS-W1	1406.12	120000	85.34102	1168.2	19.47	105.20		
		AS-S1	1733.92	30400	17.53256	1438.8	23.98	17.55		
		AS-S1D	1756.43	33400	19.01586	1438.8	23.98	19.03		
37	5/2/2011	AS-E1	1740.68	6200	3.561827	1417.2	23.62	3.62		
		AS-N1	51.90	2200	42.39016	43.2	0.72	1413.01		
		AS-W1	1477.68	26900	18.2042	1216.8	20.28	21.54		
		AS-S1	1753.70	39400	22.46679	1444.2	24.07	22.40		
		AS-S1D	1768.38	41500	23.46782	1444.8	24.08	23.39		
38	6/1/2011	AS-E1	876.08	23200	26.48151	738	12.30	51.67		
		AS-N1								
		AS-W1								
		AS-S1	1765.66	38300	21.69166	1474.2	24.57	21.19		
		AS-S1D	1758.60	65600	37.3024	1473.6	24.56	36.45		
39	6/7/2011	AS-E1	1344.47	61800	45.96607	1171.2	19.52	56.52		
		AS-N1	1193.30	52100	43.66034	1042.8	17.38	60.29		
		AS-W1	1400.88	72500	51.75306	1227.6	20.46	60.71		
		AS-S1	701.63	72900	103.9003	607.8	10.13	246.16		
		AS-S1D	699.62	90100	128.7851	606	10.10	306.02		
40	6/16/2011	AS-E1	1369.94		0	1164.6	19.41	0.00		
		AS-N1	1019.08		0	873	14.55	0.00		
		AS-W1	1319.23		0	1124.4	18.74	0.00		
		AS-S1	1730.52		0	1468.2	24.47	0.00		
		AS-S1D	1715.62		0	1444.2	24.07	0.00		

## Notes:

Exceeds NAAQS of 150 ug/m3; extreme wind conditions

Confirm with lab



**STAT Analysis Corporation**

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766

Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-0

July 19, 2010

Tetra Tech EM Inc.  
1 South Wacker Drive  
37th Floor  
Chicago, IL 60606  
Telephone: (312) 856-8700  
Fax: (312) 938-0118

RE: 103DG9021053.05,OMC, Waukegan

STAT Project No: 10070421

Dear Carol Nissen:

STAT Analysis received 5 samples for the referenced project on 7/14/2010 9:30:00 AM. The analytical results are presented in the following report.

All analyses were performed in accordance with the requirements of 35 IAC Part 186 / NELAC standards. Analyses were performed in accordance with methods as referenced on the analytical report. Those analytical results expressed on a dry weight basis are also noted on the analytical report.

All analyses were performed within established holding time criteria, and all Quality Control criteria met EPA or laboratory specifications except when noted in the Case Narrative or Analytical Report. If required, an estimate of uncertainty for the analyses can be provided. A listing of accredited methods/parameters can also be provided.

Thank you for the opportunity to serve you and I look forward to working with you in the future. If you have any questions regarding the enclosed materials, please contact me at (312) 733-0551.

Sincerely,



Catia Giannini  
Project Manager

*The information contained in this report and any attachments is confidential information intended only for the use of the individual or entities named above. The results of this report relate only to the samples tested. If you have received this report in error, please notify us immediately by phone. This report shall not be reproduced, except in its entirety, unless written approval has been obtained from the laboratory.*



---

**Client:** Tetra Tech EM Inc.**Project:** 103DG9021053.05, OMC, Waukegan**Lab Order:** 10070421**Work Order Sample Summary**

---

<b>Lab Sample ID</b>	<b>Client Sample ID</b>	<b>Tag Number</b>	<b>Collection Date</b>	<b>Date Received</b>
10070421-001A	AS-E1-07-12-10		7/12/2010	7/14/2010
10070421-002A	AS-N1-07-12-10		7/12/2010	7/14/2010
10070421-003A	AS-W1-07-12-10		7/12/2010	7/14/2010
10070421-004A	AS-S1-07-12-10		7/12/2010	7/14/2010
10070421-005A	AS-S1D-07-12-10		7/12/2010	7/14/2010



---

**CLIENT:** Tetra Tech EM Inc.  
**Project:** 103DG9021053.05, OMC, Waukegan  
**Lab Order:** 10070421

---

**CASE NARRATIVE**

The following filters were received damaged and/or torn: AS-W1-07-12-10 (10070421-002).



**STAT Analysis Corporation**

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766

Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-0

Date Reported: July 19, 2010

Date Printed: July 19, 2010

<b>Client:</b>	Tetra Tech EM Inc.					
<b>Project:</b>	103DG9021053.05, OMC, Waukegan			<b>Lab Order:</b>	10070421	
<b>Lab ID:</b>	10070421-001			<b>Collection Date:</b>	7/12/2010	
<b>Client Sample ID:</b>	AS-E1-07-12-10			<b>Matrix:</b>	Air	
<b>Analyses</b>	<b>Result</b>	<b>RL</b>	<b>Qualifier</b>	<b>Units</b>	<b>DF</b>	<b>Date Analyzed</b>
<b>Particulate Matter in Air</b>	<b>40 CFR PART 50 APP. J</b>			<b>Prep Date:</b>	<b>7/14/2010</b>	<b>Analyst: JP</b>
Particulate Matter (as PM10)	19300	100		µg/filter	1	7/16/2010
<b>Lab ID:</b>	10070421-002			<b>Collection Date:</b>	7/12/2010	
<b>Client Sample ID:</b>	AS-N1-07-12-10			<b>Matrix:</b>	Air	
<b>Analyses</b>	<b>Result</b>	<b>RL</b>	<b>Qualifier</b>	<b>Units</b>	<b>DF</b>	<b>Date Analyzed</b>
<b>Particulate Matter in Air</b>	<b>40 CFR PART 50 APP. J</b>			<b>Prep Date:</b>	<b>7/14/2010</b>	<b>Analyst: JP</b>
Particulate Matter (as PM10)	18800	100		µg/filter	1	7/16/2010
<b>Lab ID:</b>	10070421-003			<b>Collection Date:</b>	7/12/2010	
<b>Client Sample ID:</b>	AS-W1-07-12-10			<b>Matrix:</b>	Air	
<b>Analyses</b>	<b>Result</b>	<b>RL</b>	<b>Qualifier</b>	<b>Units</b>	<b>DF</b>	<b>Date Analyzed</b>
<b>Particulate Matter in Air</b>	<b>40 CFR PART 50 APP. J</b>			<b>Prep Date:</b>	<b>7/14/2010</b>	<b>Analyst: JP</b>
Particulate Matter (as PM10)	20500	100		µg/filter	1	7/16/2010
<b>Lab ID:</b>	10070421-004			<b>Collection Date:</b>	7/12/2010	
<b>Client Sample ID:</b>	AS-S1-07-12-10			<b>Matrix:</b>	Air	
<b>Analyses</b>	<b>Result</b>	<b>RL</b>	<b>Qualifier</b>	<b>Units</b>	<b>DF</b>	<b>Date Analyzed</b>
<b>Particulate Matter in Air</b>	<b>40 CFR PART 50 APP. J</b>			<b>Prep Date:</b>	<b>7/14/2010</b>	<b>Analyst: JP</b>
Particulate Matter (as PM10)	26600	100		µg/filter	1	7/16/2010
<b>Lab ID:</b>	10070421-005			<b>Collection Date:</b>	7/12/2010	
<b>Client Sample ID:</b>	AS-S1D-07-12-10			<b>Matrix:</b>	Air	
<b>Analyses</b>	<b>Result</b>	<b>RL</b>	<b>Qualifier</b>	<b>Units</b>	<b>DF</b>	<b>Date Analyzed</b>
<b>Particulate Matter in Air</b>	<b>40 CFR PART 50 APP. J</b>			<b>Prep Date:</b>	<b>7/14/2010</b>	<b>Analyst: JP</b>
Particulate Matter (as PM10)	27400	100		µg/filter	1	7/16/2010

**Qualifiers:**  
ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
HT - Sample received past holding time  
\* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis  
S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range  
H - Holding time exceeded



## CHAIN OF CUSTODY RECORD

Nº: 831256

Page : \_\_\_\_ of \_\_\_\_

Company: Tetra Tech		P.O. No.:																
Project Number: 163 DE 9021 CS 3 CS		Quote No.:																
Project Name: CMC		<div>Turn Around New York Results Needed am/pm</div>																
Project Location: New York																		
Sampler(s): CMC																		
Report To: T. Hahn																		
Phone:																		
Fax:																		
QC Level: 1 2 3 4		e-mail:																
Client Sample Number/Description:		Date Taken	Time Taken	Matrix	Comp	Grab	Preserv	No of Containers	Remarks									
AS-EI-07-12-10		07-12-10		AS-EI	X			1	X									
AS-NI-07-12-10				AS-NI	X			1	X									
AS-WI-07-12-10				AS-WI	X			1	X									
AS-SI-07-12-10				AS-SI	X			1	X									
AS-SID-07-12-10				AS-SID	X			1	X									
Relinquished by (Signature):		Date/Time: 07-13-10 1400		Comments:														
Received by (Signature):		Date/Time: 7/14/10 930		PLRAS report to NY/Enviro														
Relinquished by (Signature):		Date/Time:		Preservation Code: A = None B = HNO3 C = NaOH D = H2SO4 E = HCl F = S035/EnCore G = Other														
Received by (Signature):		Date/Time:		Laboratory Work Order No.: 10070421														
Relinquished by (Signature):		Date/Time:		Received on Ice: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>														
Received by (Signature):		Date/Time:		Temperature: Ambient														



**Sample Receipt Checklist**

Client Name TETRA CHICAGO

Date and Time Received 7/14/2010 9:30:00 AM

Work Order Number 10070421

Received by: CDF

Checklist completed by

Signature

Date

7/14/10

Reviewed by.

Initials

Date

CG 7/15/10

Matrix.

Carrier name: FedEx

Shipping container/cooler in good condition?

Yes ☒

No ☐

Not Present ☐

Custody seals intact on shipping container/cooler?

Yes ☐

No ☐

Not Present ☒

Custody seals intact on sample bottles?

Yes ☐

No ☐

Not Present ☒

Chain of custody present?

Yes ☒

No ☐

Chain of custody signed when relinquished and received?

Yes ☒

No ☐

Chain of custody agrees with sample labels/containers?

Yes ☒

No ☐

Samples in proper container/bottle?

Yes ☒

No ☐

Sample containers intact?

Yes ☒

No ☐

Sufficient sample volume for indicated test?

Yes ☒

No ☐

All samples received within holding time?

Yes ☒

No ☐

Container or Temp Blank temperature in compliance?

Yes ☒

No ☐

Temperature Ambient °C

Water - VOA vials have zero headspace?

No VOA vials submitted ☒

Yes ☐

No ☐

Water - Samples pH checked?

Yes ☐

No ☐

Checked by:

Water - Samples properly preserved?

Yes ☐

No ☐

pH Adjusted?

Any No response must be detailed in the comments section below

Comments:

Client / Person  
contacted

Date contacted:

Contacted by:

Response



**STAT Analysis Corporation**

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766

Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-0

July 26, 2010

Tetra Tech EM Inc.  
1 South Wacker Drive  
37th Floor  
Chicago, IL 60606  
Telephone: (312) 946-6474  
Fax: (312) 938-0118

RE: 103DG69021053.05, OMC, Waukegan

STAT Project No: 10070642

Dear Tom Hahne:

STAT Analysis received 5 samples for the referenced project on 7/21/2010 9:00:00 AM. The analytical results are presented in the following report.

All analyses were performed in accordance with the requirements of 35 IAC Part 186 / NELAC standards. Analyses were performed in accordance with methods as referenced on the analytical report. Those analytical results expressed on a dry weight basis are also noted on the analytical report.

All analyses were performed within established holding time criteria, and all Quality Control criteria met EPA or laboratory specifications except when noted in the Case Narrative or Analytical Report. If required, an estimate of uncertainty for the analyses can be provided. A listing of accredited methods/parameters can also be provided.

Thank you for the opportunity to serve you and I look forward to working with you in the future. If you have any questions regarding the enclosed materials, please contact me at (312) 733-0551.

Sincerely,



Catia Giannini  
Project Manager

*The information contained in this report and any attachments is confidential information intended only for the use of the individual or entities named above. The results of this report relate only to the samples tested. If you have received this report in error, please notify us immediately by phone. This report shall not be reproduced, except in its entirety, unless written approval has been obtained from the laboratory.*



---

**Client:** Tetra Tech EM Inc.**Project:** 103DG69021053.05, OMC, Waukegan**Lab Order:** 10070642**Work Order Sample Summary**

---

<b>Lab Sample ID</b>	<b>Client Sample ID</b>	<b>Tag Number</b>	<b>Collection Date</b>	<b>Date Received</b>
10070642-001A	AS-E1-07-19-10		7/19/2010	7/21/2010
10070642-002A	AS-N1-07-19-10		7/19/2010	7/21/2010
10070642-003A	AS-W1-07-19-10		7/19/2010	7/21/2010
10070642-004A	AS-S1-07-19-10		7/19/2010	7/21/2010
10070642-005A	AS-SID-07-19-10		7/19/2010	7/21/2010



---

**CLIENT:** Tetra Tech EM Inc.  
**Project:** 103DG69021053.05, OMC, Waukegan  
**Lab Order:** 10070642

---

**CASE NARRATIVE**

The following filters were received damaged and/or torn:

AS-E1-07-19-10 (10070642-001)

AS-W1-07-19-10 (10070642-003)



**STAT Analysis Corporation**

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766

Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-0

Date Reported: July 26, 2010

Date Printed: July 26, 2010

<b>Client:</b>	Tetra Tech EM Inc.					
<b>Project:</b>	103DG69021053.05, OMC, Waukegan				<b>Lab Order:</b>	10070642
<b>Lab ID:</b>	10070642-001			<b>Collection Date:</b> 7/19/2010		
<b>Client Sample ID:</b>	AS-E1-07-19-10			<b>Matrix:</b> Filter		
<b>Analyses</b>	<b>Result</b>	<b>RL</b>	<b>Qualifier</b>	<b>Units</b>	<b>DF</b>	<b>Date Analyzed</b>
<b>Particulate Matter in Air</b>	<b>40 CFR PART 50 APP. J</b>			<b>Prep Date: 7/21/2010</b>		<b>Analyst: JP</b>
Particulate Matter (as PM10)	9800	100		µg/filter	1	7/22/2010
<b>Lab ID:</b>	10070642-002			<b>Collection Date:</b> 7/19/2010		
<b>Client Sample ID:</b>	AS-N1-07-19-10			<b>Matrix:</b> Filter		
<b>Analyses</b>	<b>Result</b>	<b>RL</b>	<b>Qualifier</b>	<b>Units</b>	<b>DF</b>	<b>Date Analyzed</b>
<b>Particulate Matter in Air</b>	<b>40 CFR PART 50 APP. J</b>			<b>Prep Date: 7/21/2010</b>		<b>Analyst: JP</b>
Particulate Matter (as PM10)	12100	100		µg/filter	1	7/22/2010
<b>Lab ID:</b>	10070642-003			<b>Collection Date:</b> 7/19/2010		
<b>Client Sample ID:</b>	AS-W1-07-19-10			<b>Matrix:</b> Filter		
<b>Analyses</b>	<b>Result</b>	<b>RL</b>	<b>Qualifier</b>	<b>Units</b>	<b>DF</b>	<b>Date Analyzed</b>
<b>Particulate Matter in Air</b>	<b>40 CFR PART 50 APP. J</b>			<b>Prep Date: 7/21/2010</b>		<b>Analyst: JP</b>
Particulate Matter (as PM10)	37400	100		µg/filter	1	7/22/2010
<b>Lab ID:</b>	10070642-004			<b>Collection Date:</b> 7/19/2010		
<b>Client Sample ID:</b>	AS-S1-07-19-10			<b>Matrix:</b> Filter		
<b>Analyses</b>	<b>Result</b>	<b>RL</b>	<b>Qualifier</b>	<b>Units</b>	<b>DF</b>	<b>Date Analyzed</b>
<b>Particulate Matter in Air</b>	<b>40 CFR PART 50 APP. J</b>			<b>Prep Date: 7/21/2010</b>		<b>Analyst: JP</b>
Particulate Matter (as PM10)	28000	100		µg/filter	1	7/22/2010
<b>Lab ID:</b>	10070642-005			<b>Collection Date:</b> 7/19/2010		
<b>Client Sample ID:</b>	AS-SID-07-19-10			<b>Matrix:</b> Filter		
<b>Analyses</b>	<b>Result</b>	<b>RL</b>	<b>Qualifier</b>	<b>Units</b>	<b>DF</b>	<b>Date Analyzed</b>
<b>Particulate Matter in Air</b>	<b>40 CFR PART 50 APP. J</b>			<b>Prep Date: 7/21/2010</b>		<b>Analyst: JP</b>
Particulate Matter (as PM10)	27200	100		µg/filter	1	7/22/2010

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
HT - Sample received past holding time  
\* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis  
S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range  
H - Holding time exceeded



## Page : of



**Sample Receipt Checklist**


Client Name TETRA CHICAGO

Date and Time Received: 7/21/2010 9:00.00 AM

Work Order Number 10070642

Received by: CIG

Checklist completed by.  7/21/10  
Signature Date

Reviewed by:  7/21/10  
Initials Date

Matrix:

Carrier name FedEx

Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Custody seals intact on shipping container/cooler?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Custody seals intact on sample bottles?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody agrees with sample labels/containers?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Samples in proper container/bottle?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Container or Temp Blank temperature in compliance?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Temperature Ambient °C
Water - VOA vials have zero headspace?	No VOA vials submitted <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Water - Samples pH checked?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Checked by.
Water - Samples properly preserved?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	pH Adjusted?

Any No response must be detailed in the comments section below.

Comments:

Client / Person  
contacted:

Date contacted:

Contacted by:

Response:



**STAT Analysis Corporation**

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766

Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-0

August 02, 2010

Tetra Tech EM Inc.  
1 South Wacker Drive  
37th Floor  
Chicago, IL 60606  
Telephone: (312) 856-8700  
Fax: (312) 938-0118

RE: 103DG9021.053.05, OMC, Waukegan

STAT Project No: 10070885

Dear Carol Nissen:

STAT Analysis received 5 samples for the referenced project on 7/28/2010 1:00:00 PM. The analytical results are presented in the following report.

All analyses were performed in accordance with the requirements of 35 IAC Part 186 / NELAC standards. Analyses were performed in accordance with methods as referenced on the analytical report. Those analytical results expressed on a dry weight basis are also noted on the analytical report.

All analyses were performed within established holding time criteria, and all Quality Control criteria met EPA or laboratory specifications except when noted in the Case Narrative or Analytical Report. If required, an estimate of uncertainty for the analyses can be provided. A listing of accredited methods/parameters can also be provided.

Thank you for the opportunity to serve you and I look forward to working with you in the future. If you have any questions regarding the enclosed materials, please contact me at (312) 733-0551.

Sincerely,



Catia Giannini  
Project Manager

*The information contained in this report and any attachments is confidential information intended only for the use of the individual or entities named above. The results of this report relate only to the samples tested. If you have received this report in error, please notify us immediately by phone. This report shall not be reproduced, except in its entirety, unless written approval has been obtained from the laboratory.*



---

**Client:** Tetra Tech EM Inc.  
**Project:** 103DG9021.053.05, OMC, Waukegan  
**Lab Order:** 10070885

---

**Work Order Sample Summary**

---

<b>Lab Sample ID</b>	<b>Client Sample ID</b>	<b>Tag Number</b>	<b>Collection Date</b>	<b>Date Received</b>
10070885-001A	AS-E1-07-26-10		7/26/2010	7/28/2010
10070885-002A	AS-N1-07-26-10		7/26/2010	7/28/2010
10070885-003A	AS-W1-07-26-10		7/26/2010	7/28/2010
10070885-004A	AS-S1-07-26-10		7/26/2010	7/28/2010
10070885-005A	AS-S1D-07-26-10		7/26/2010	7/28/2010

---



**STAT Analysis Corporation**

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766

Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-0

Date Reported: August 02, 2010

Date Printed: August 02, 2010

<b>Client:</b>	Tetra Tech EM Inc.					
<b>Project:</b>	103DG9021.053.05, OMC, Waukegan				<b>Lab Order:</b>	10070885
<b>Lab ID:</b>	10070885-001				<b>Collection Date:</b>	7/26/2010
<b>Client Sample ID</b>	AS-E1-07-26-10				<b>Matrix:</b>	Air
<b>Analyses</b>	<b>Result</b>	<b>RL</b>	<b>Qualifier</b>	<b>Units</b>	<b>DF</b>	<b>Date Analyzed</b>
<b>Particulate Matter in Air</b>	<b>40 CFR PART 50 APP. J</b>				<b>Prep Date: 7/28/2010</b>	<b>Analyst: JP</b>
Particulate Matter (as PM10)	18100	100		µg/filter	1	7/30/2010
<b>Lab ID:</b>	10070885-002				<b>Collection Date:</b>	7/26/2010
<b>Client Sample ID</b>	AS-N1-07-26-10				<b>Matrix:</b>	Air
<b>Analyses</b>	<b>Result</b>	<b>RL</b>	<b>Qualifier</b>	<b>Units</b>	<b>DF</b>	<b>Date Analyzed</b>
<b>Particulate Matter in Air</b>	<b>40 CFR PART 50 APP. J</b>				<b>Prep Date: 7/28/2010</b>	<b>Analyst: JP</b>
Particulate Matter (as PM10)	28800	100		µg/filter	1	7/30/2010
<b>Lab ID:</b>	10070885-003				<b>Collection Date:</b>	7/26/2010
<b>Client Sample ID</b>	AS-W1-07-26-10				<b>Matrix:</b>	Air
<b>Analyses</b>	<b>Result</b>	<b>RL</b>	<b>Qualifier</b>	<b>Units</b>	<b>DF</b>	<b>Date Analyzed</b>
<b>Particulate Matter in Air</b>	<b>40 CFR PART 50 APP. J</b>				<b>Prep Date: 7/28/2010</b>	<b>Analyst: JP</b>
Particulate Matter (as PM10)	23400	100		µg/filter	1	7/30/2010
<b>Lab ID:</b>	10070885-004				<b>Collection Date:</b>	7/26/2010
<b>Client Sample ID</b>	AS-S1-07-26-10				<b>Matrix:</b>	Air
<b>Analyses</b>	<b>Result</b>	<b>RL</b>	<b>Qualifier</b>	<b>Units</b>	<b>DF</b>	<b>Date Analyzed</b>
<b>Particulate Matter in Air</b>	<b>40 CFR PART 50 APP. J</b>				<b>Prep Date: 7/28/2010</b>	<b>Analyst: JP</b>
Particulate Matter (as PM10)	28800	100		µg/filter	1	7/30/2010
<b>Lab ID:</b>	10070885-005				<b>Collection Date:</b>	7/26/2010
<b>Client Sample ID</b>	AS-S1D-07-26-10				<b>Matrix:</b>	Air
<b>Analyses</b>	<b>Result</b>	<b>RL</b>	<b>Qualifier</b>	<b>Units</b>	<b>DF</b>	<b>Date Analyzed</b>
<b>Particulate Matter in Air</b>	<b>40 CFR PART 50 APP. J</b>				<b>Prep Date: 7/28/2010</b>	<b>Analyst: JP</b>
Particulate Matter (as PM10)	30000	100		µg/filter	1	7/30/2010

**Qualifiers:**

ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
HT - Sample received past holding time  
\* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis  
S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range  
H - Holding time exceeded



Page 4 of 5



**Sample Receipt Checklist**

Client Name TETRA CHICAGO

Date and Time Received:

7/28/2010

Work Order Number 10070885

Received by: CDF

Checklist completed by:

Signature

Date

7/26/10

Reviewed by:

Initials

CG 7/28/10

Date

Matrix:

Carrier name: FedEx

Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Custody seals intact on shipping container/cooler?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Custody seals intact on sample bottles?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody agrees with sample labels/containers?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Samples in proper container/bottle?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Container or Temp Blank temperature in compliance?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Temperature Ambient °C
Water - VOA vials have zero headspace?	No VOA vials submitted <input checked="" type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Water - Samples pH checked?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Checked by:
Water - Samples properly preserved?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	pH Adjusted?

Any No response must be detailed in the comments section below

Comments

Client / Person  
contacted:

Date contacted:

Contacted by:

Response:



**STAT Analysis Corporation**

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766

Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-0

August 12, 2010

Tetra Tech EM Inc.  
1 South Wacker Drive  
37th Floor  
Chicago, IL 60606  
Telephone: (312) 946-6474  
Fax: (312) 938-0118

RE: 103DG9021053-05, OMC, Waukegan, IL

STAT Project No: 10080258

Dear Tom Hahne:

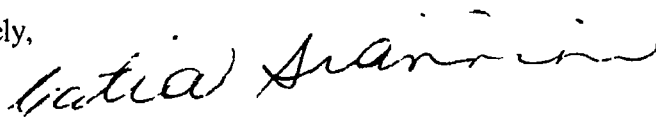
STAT Analysis received 5 samples for the referenced project on 8/9/2010 1:55:00 PM. The analytical results are presented in the following report.

All analyses were performed in accordance with the requirements of 35 IAC Part 186 / NELAC standards. Analyses were performed in accordance with methods as referenced on the analytical report. Those analytical results expressed on a dry weight basis are also noted on the analytical report.

All analyses were performed within established holding time criteria, and all Quality Control criteria met EPA or laboratory specifications except when noted in the Case Narrative or Analytical Report. If required, an estimate of uncertainty for the analyses can be provided. A listing of accredited methods/parameters can also be provided.

Thank you for the opportunity to serve you and I look forward to working with you in the future. If you have any questions regarding the enclosed materials, please contact me at (312) 733-0551.

Sincerely,



Catia Giannini  
Project Manager

*The information contained in this report and any attachments is confidential information intended only for the use of the individual or entities named above. The results of this report relate only to the samples tested. If you have received this report in error, please notify us immediately by phone. This report shall not be reproduced, except in its entirety, unless written approval has been obtained from the laboratory.*



---

**Client:** Tetra Tech EM Inc.**Project:** 103DG9021053-05, OMC, Waukegan, IL**Lab Order:** 10080258**Work Order Sample Summary**

---

<b>Lab Sample ID</b>	<b>Client Sample ID</b>	<b>Tag Number</b>	<b>Collection Date</b>	<b>Date Received</b>
10080258-001A	AS-E1-08-05-10		8/5/2010	8/9/2010
10080258-002A	AS-N1-08-05-10		8/5/2010	8/9/2010
10080258-003A	AS-W1-08-05-10		8/5/2010	8/9/2010
10080258-004A	AS-S1-08-05-10		8/5/2010	8/9/2010
10080258-005A	AS-SID-08-05-10		8/5/2010	8/9/2010



**STAT Analysis Corporation**

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766

Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-0

Date Reported: August 12, 2010

Date Printed: August 12, 2010

<b>Client:</b>	Tetra Tech EM Inc.					
<b>Project:</b>	103DG9021053-05, OMC, Waukegan, IL				<b>Lab Order:</b>	10080258
<b>Lab ID:</b>	10080258-001			<b>Collection Date:</b>	8/5/2010	
<b>Client Sample ID:</b>	AS-E1-08-05-10			<b>Matrix:</b>	Filter	
<b>Analyses</b>	<b>Result</b>	<b>RL</b>	<b>Qualifier</b>	<b>Units</b>	<b>DF</b>	<b>Date Analyzed</b>
<b>Particulate Matter in Air</b>	<b>40 CFR PART 50 APP. J</b>			<b>Prep Date:</b>	<b>8/6/2010</b>	<b>Analyst: JP</b>
Particulate Matter (as PM10)	23200	100		µg/filter	1	8/10/2010
<b>Lab ID:</b>	10080258-002			<b>Collection Date:</b>	8/5/2010	
<b>Client Sample ID:</b>	AS-N1-08-05-10			<b>Matrix:</b>	Filter	
<b>Analyses</b>	<b>Result</b>	<b>RL</b>	<b>Qualifier</b>	<b>Units</b>	<b>DF</b>	<b>Date Analyzed</b>
<b>Particulate Matter in Air</b>	<b>40 CFR PART 50 APP. J</b>			<b>Prep Date:</b>	<b>8/6/2010</b>	<b>Analyst: JP</b>
Particulate Matter (as PM10)	23200	100		µg/filter	1	8/10/2010
<b>Lab ID:</b>	10080258-003			<b>Collection Date:</b>	8/5/2010	
<b>Client Sample ID:</b>	AS-W1-08-05-10			<b>Matrix:</b>	Filter	
<b>Analyses</b>	<b>Result</b>	<b>RL</b>	<b>Qualifier</b>	<b>Units</b>	<b>DF</b>	<b>Date Analyzed</b>
<b>Particulate Matter in Air</b>	<b>40 CFR PART 50 APP. J</b>			<b>Prep Date:</b>	<b>8/6/2010</b>	<b>Analyst: JP</b>
Particulate Matter (as PM10)	29900	100		µg/filter	1	8/10/2010
<b>Lab ID:</b>	10080258-004			<b>Collection Date:</b>	8/5/2010	
<b>Client Sample ID:</b>	AS-S1-08-05-10			<b>Matrix:</b>	Filter	
<b>Analyses</b>	<b>Result</b>	<b>RL</b>	<b>Qualifier</b>	<b>Units</b>	<b>DF</b>	<b>Date Analyzed</b>
<b>Particulate Matter in Air</b>	<b>40 CFR PART 50 APP. J</b>			<b>Prep Date:</b>	<b>8/6/2010</b>	<b>Analyst: JP</b>
Particulate Matter (as PM10)	67000	100		µg/filter	1	8/10/2010
<b>Lab ID:</b>	10080258-005			<b>Collection Date:</b>	8/5/2010	
<b>Client Sample ID:</b>	AS-SID-08-05-10			<b>Matrix:</b>	Filter	
<b>Analyses</b>	<b>Result</b>	<b>RL</b>	<b>Qualifier</b>	<b>Units</b>	<b>DF</b>	<b>Date Analyzed</b>
<b>Particulate Matter in Air</b>	<b>40 CFR PART 50 APP. J</b>			<b>Prep Date:</b>	<b>8/6/2010</b>	<b>Analyst: JP</b>
Particulate Matter (as PM10)	67900	100		µg/filter	1	8/10/2010

**Qualifiers:**  
ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
HT - Sample received past holding time  
\* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis  
S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range  
H - Holding time exceeded



## CHAIN OF CUSTODY RECORD

N<sup>o</sup>: 831267 Page :        of       

Company <u>TerraTech</u>										P.O. No.:	
Project Number: <u>163 DE 962/03.05</u> Client Tracking No.:										Quote No.:	
Project Name: <u>UMC</u>										<div>Turn Around</div> <div>Results Needed</div> <div>am/pm</div>	
Project Location: <u>Waco, Texas</u>											
Sampler(s): <u>John Nisse</u>											
Report To: <u>John Nisse</u> Phone: Fax: e-mail:											
QC Level: 1 2 3 4											
Client Sample Number/Description:		Date Taken	Time Taken	Matrix	Comp	Grab	Preserv	No of Containers	Remarks		
AS-EI-08-05-10		15-05-10		Filky	X			1	XX		
AS-NI-08-05-10					X			1	XX		
AS-WI-08-05-10					X			1	XX		
AS-SI-08-05-10					X			1	XX		
AS-SID-08-05-10					X			1	XX		
Relinquished by (Signature)		Date/Time		Comments:							
Received by (Signature)		Date/Time		Please report as							
Relinquished by (Signature)		Date/Time		ug/filter							
Received by (Signature)		Date/Time		Preservation Code: A = None B = HNO <sub>3</sub> C = NaOH							
Relinquished by (Signature)		Date/Time		D = H <sub>2</sub> SO <sub>4</sub> E = HCl F = 5035/EnCore G = Other							
Received by (Signature)		Date/Time		Laboratory Work Order No. <u>10080258</u>							
				Received on Ice: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>							
				Temperature: <u>Ambient</u>							



**Sample Receipt Checklist**

Client Name TETRA CHICAGO

Date and Time Received:

8/9/2010 1:55:00 PM

Work Order Number 10080258

Received by: CIG

Checklist completed by

*[Signature]* 8/9/10

Reviewed by:

*[Initials]* 8/10/10

Signature

Date

Initials

Date

Matrix

Carrier name FedEx

Shipping container/cooler in good condition?

Yes ☒

No ☐

Not Present ☐

Custody seals intact on shipping container/cooler?

Yes ☐

No ☐

Not Present ☒

Custody seals intact on sample bottles?

Yes ☐

No ☐

Not Present ☒

Chain of custody present?

Yes ☒

No ☐

Chain of custody signed when relinquished and received?

Yes ☒

No ☐

Chain of custody agrees with sample labels/containers?

Yes ☒

No ☐

Samples in proper container/bottle?

Yes ☒

No ☐

Sample containers intact?

Yes ☒

No ☐

Sufficient sample volume for indicated test?

Yes ☒

No ☐

All samples received within holding time?

Yes ☒

No ☐

Container or Temp Blank temperature in compliance?

Yes ☒

No ☐

Temperature Ambient °C

Water - VOA vials have zero headspace?

No VOA vials submitted ☐

Yes ☐

No ☐

Water - Samples pH checked?

Yes ☐

No ☐

Checked by:

Water - Samples properly preserved?

Yes ☐

No ☐

pH Adjusted?

Any No response must be detailed in the comments section below.

Comments:

Client / Person  
contacted:

Date contacted:

Contacted by:

Response:



**STAT Analysis Corporation**

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766

Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-0

August 19, 2010

Tetra Tech EM Inc.  
1 South Wacker Drive  
37th Floor  
Chicago, IL 60606  
Telephone: (312) 946-6474  
Fax: (312) 938-0118

RE: 103DG9021053.05, OMC, Waukegan

STAT Project No: 10080508

Dear Tom Hahne:

STAT Analysis received 5 samples for the referenced project on 8/17/2010 9:15:00 AM. The analytical results are presented in the following report.

All analyses were performed in accordance with the requirements of 35 IAC Part 186 / NELAC standards. Analyses were performed in accordance with methods as referenced on the analytical report. Those analytical results expressed on a dry weight basis are also noted on the analytical report.

All analyses were performed within established holding time criteria, and all Quality Control criteria met EPA or laboratory specifications except when noted in the Case Narrative or Analytical Report. If required, an estimate of uncertainty for the analyses can be provided. A listing of accredited methods/parameters can also be provided.

Thank you for the opportunity to serve you and I look forward to working with you in the future. If you have any questions regarding the enclosed materials, please contact me at (312) 733-0551.

Sincerely,



Catia Giannini  
Project Manager

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---

**Client:** Tetra Tech EM Inc.  
**Project:** 103DG9021053.05, OMC, Waukegan  
**Lab Order:** 10080508

---

**Work Order Sample Summary**

---

<b>Lab Sample ID</b>	<b>Client Sample ID</b>	<b>Tag Number</b>	<b>Collection Date</b>	<b>Date Received</b>
10080508-001A	AS-E1-08-12-10		8/12/2010	8/17/2010
10080508-002A	AS-N1-08-12-10		8/12/2010	8/17/2010
10080508-003A	AS-W1-08-12-10		8/12/2010	8/17/2010
10080508-004A	AS-S1-08-12-10		8/12/2010	8/17/2010
10080508-005A	AS-SID-08-12-10		8/12/2010	8/17/2010

---



**STAT Analysis Corporation**

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766

Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-0

Date Reported: August 19, 2010

Date Printed: August 19, 2010

<b>Client:</b>	Tetra Tech EM Inc.					
<b>Project:</b>	103DG9021053.05, OMC, Waukegan			<b>Lab Order:</b>	10080508	
<b>Lab ID:</b>	10080508-001			<b>Collection Date:</b>	8/12/2010	
<b>Client Sample ID:</b>	AS-E1-08-12-10			<b>Matrix:</b>	Filter	
<b>Analyses</b>	<b>Result</b>	<b>RL</b>	<b>Qualifier</b>	<b>Units</b>	<b>DF</b>	<b>Date Analyzed</b>
<b>Particulate Matter in Air</b>	<b>40 CFR PART 50 APP. J</b>			<b>Prep Date:</b>	<b>8/18/2010</b>	<b>Analyst: JP</b>
Particulate Matter (as PM10)	34300	100		µg/filter	1	8/18/2010
<b>Lab ID:</b>	10080508-002			<b>Collection Date:</b>	8/12/2010	
<b>Client Sample ID:</b>	AS-N1-08-12-10			<b>Matrix:</b>	Filter	
<b>Analyses</b>	<b>Result</b>	<b>RL</b>	<b>Qualifier</b>	<b>Units</b>	<b>DF</b>	<b>Date Analyzed</b>
<b>Particulate Matter in Air</b>	<b>40 CFR PART 50 APP. J</b>			<b>Prep Date:</b>	<b>8/18/2010</b>	<b>Analyst: JP</b>
Particulate Matter (as PM10)	28500	100		µg/filter	1	8/18/2010
<b>Lab ID:</b>	10080508-003			<b>Collection Date:</b>	8/12/2010	
<b>Client Sample ID:</b>	AS-W1-08-12-10			<b>Matrix:</b>	Filter	
<b>Analyses</b>	<b>Result</b>	<b>RL</b>	<b>Qualifier</b>	<b>Units</b>	<b>DF</b>	<b>Date Analyzed</b>
<b>Particulate Matter in Air</b>	<b>40 CFR PART 50 APP. J</b>			<b>Prep Date:</b>	<b>8/18/2010</b>	<b>Analyst: JP</b>
Particulate Matter (as PM10)	33000	100		µg/filter	1	8/18/2010
<b>Lab ID:</b>	10080508-004			<b>Collection Date:</b>	8/12/2010	
<b>Client Sample ID:</b>	AS-S1-08-12-10			<b>Matrix:</b>	Filter	
<b>Analyses</b>	<b>Result</b>	<b>RL</b>	<b>Qualifier</b>	<b>Units</b>	<b>DF</b>	<b>Date Analyzed</b>
<b>Particulate Matter in Air</b>	<b>40 CFR PART 50 APP. J</b>			<b>Prep Date:</b>	<b>8/18/2010</b>	<b>Analyst: JP</b>
Particulate Matter (as PM10)	31900	100		µg/filter	1	8/18/2010
<b>Lab ID:</b>	10080508-005			<b>Collection Date:</b>	8/12/2010	
<b>Client Sample ID:</b>	AS-SID-08-12-10			<b>Matrix:</b>	Filter	
<b>Analyses</b>	<b>Result</b>	<b>RL</b>	<b>Qualifier</b>	<b>Units</b>	<b>DF</b>	<b>Date Analyzed</b>
<b>Particulate Matter in Air</b>	<b>40 CFR PART 50 APP. J</b>			<b>Prep Date:</b>	<b>8/18/2010</b>	<b>Analyst: JP</b>
Particulate Matter (as PM10)	32200	100		µg/filter	1	8/18/2010

**Qualifiers:**

- ND - Not Detected at the Reporting Limit
- J - Analyte detected below quantitation limits
- B - Analyte detected in the associated Method Blank
- HT - Sample received past holding time
- \* - Non-accredited parameter

- RL - Reporting / Quantitation Limit for the analysis
- S - Spike Recovery outside accepted recovery limits
- R - RPD outside accepted recovery limits
- E - Value above quantitation range
- H - Holding time exceeded



## CHAIN OF CUSTODY RECORD

N<sup>o</sup>: 831258 Page :        of       

[illegible]



**Sample Receipt Checklist**

Client Name TETRA CHICAGO

Date and Time Received: 8/17/2010 9.15.00 AM

Work Order Number 10080508

Received by: CIG

Checklist completed by [Signature] 8/17/10  
Signature Date

Reviewed by: CIG 8/18/10  
Initials Date

Matrix: Carrier name FedEx

Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present
Custody seals intact on shipping container/cooler?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Custody seals intact on sample bottles?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody agrees with sample labels/containers?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Samples in proper container/bottle?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Container or Temp Blank temperature in compliance?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Temperature Ambient °C
Water - VOA vials have zero headspace?	No VOA vials submitted <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Water - Samples pH checked?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Checked by:
Water - Samples properly preserved?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	pH Adjusted?

Any No response must be detailed in the comments section below

Comments

Client / Person  
contacted

Date contacted:

Contacted by:

Response



**STAT** Analysis Corporation

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766

Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-0

August 30, 2010

Tetra Tech EM Inc.  
1 South Wacker Drive  
37th Floor  
Chicago, IL 60606  
Telephone: (312) 946-6474  
Fax: (312) 938-0118

RE: 103DG9021.053.05, OMC, Waukegan, IL

STAT Project No: 10080730

Dear Tom Hahne:

STAT Analysis received 5 samples for the referenced project on 8/23/2010 9:20:00 AM. The analytical results are presented in the following report.

All analyses were performed in accordance with the requirements of 35 IAC Part 186 / NELAC standards. Analyses were performed in accordance with methods as referenced on the analytical report. Those analytical results expressed on a dry weight basis are also noted on the analytical report.

All analyses were performed within established holding time criteria, and all Quality Control criteria met EPA or laboratory specifications except when noted in the Case Narrative or Analytical Report. If required, an estimate of uncertainty for the analyses can be provided. A listing of accredited methods/parameters can also be provided.

Thank you for the opportunity to serve you and I look forward to working with you in the future. If you have any questions regarding the enclosed materials, please contact me at (312) 733-0551.

Sincerely,



Katelin Lewis

Project Manager

*The information contained in this report and any attachments is confidential information intended only for the use of the individual or entities named above. The results of this report relate only to the samples tested. If you have received this report in error, please notify us immediately by phone. This report shall not be reproduced, except in its entirety, unless written approval has been obtained from the laboratory.*



---

**Client:** Tetra Tech EM Inc.**Project:** 103DG9021.053.05, OMC, Waukegan, IL**Lab Order:** 10080730**Work Order Sample Summary**

---

<b>Lab Sample ID</b>	<b>Client Sample ID</b>	<b>Tag Number</b>	<b>Collection Date</b>	<b>Date Received</b>
10080730-001A	AS-E1		8/19/2010	8/23/2010
10080730-002A	AS-N1		8/19/2010	8/23/2010
10080730-003A	AS-W1		8/19/2010	8/23/2010
10080730-004A	AS-S1		8/19/2010	8/23/2010
10080730-005A	AS-SID		8/19/2010	8/23/2010



---

**CLIENT:** Tetra Tech EM Inc.**Project:** 103DG9021.053.05, OMC, Waukegan, IL**Lab Order:** 10080730**CASE NARRATIVE**

---

The following filters were received damaged and/or torn: AS-SID (10080730-005)



**STAT Analysis Corporation**

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766

Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Date Reported: August 30, 2010

Date Printed: August 30, 2010

Client: Tetra Tech EM Inc.

Project: 103DG9021.053.05, OMC, Waukegan, IL

Lab Order: 10080730

Lab ID: 10080730-001

Collection Date 8/19/2010

Client Sample ID:AS-E1

Matrix: Air

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
----------	--------	----	-----------	-------	----	---------------

Particulate Matter in Air	40 CFR PART 50 APP. J			Prep Date: 8/23/2010	Analyst: JP	
Particulate Matter (as PM10)	32100	100		µg/filter 1		8/25/2010

Lab ID: 10080730-002

Collection Date 8/19/2010

Client Sample ID:AS-N1

Matrix: Air

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
----------	--------	----	-----------	-------	----	---------------

Particulate Matter in Air	40 CFR PART 50 APP. J			Prep Date: 8/23/2010	Analyst: JP	
Particulate Matter (as PM10)	32100	100		µg/filter 1		8/25/2010

Lab ID: 10080730-003

Collection Date 8/19/2010

Client Sample ID:AS-W1

Matrix: Air

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
----------	--------	----	-----------	-------	----	---------------

Particulate Matter in Air	40 CFR PART 50 APP. J			Prep Date: 8/23/2010	Analyst: JP	
Particulate Matter (as PM10)	60500	100		µg/filter 1		8/25/2010

Lab ID: 10080730-004

Collection Date 8/19/2010

Client Sample ID:AS-S1

Matrix: Air

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
----------	--------	----	-----------	-------	----	---------------

Particulate Matter in Air	40 CFR PART 50 APP. J			Prep Date: 8/23/2010	Analyst: JP	
Particulate Matter (as PM10)	76300	100		µg/filter 1		8/25/2010

Lab ID: 10080730-005

Collection Date 8/19/2010

Client Sample ID:AS-SID

Matrix: Air

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
----------	--------	----	-----------	-------	----	---------------

Particulate Matter in Air	40 CFR PART 50 APP. J			Prep Date: 8/23/2010	Analyst: JP	
Particulate Matter (as PM10)	77600	100		µg/filter 1		8/25/2010

**Qualifiers:**ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
HT - Sample received past holding time  
\* - Non-accredited parameterRL - Reporting / Quantitation Limit for the analysis  
S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range  
H - Holding time exceeded



## CHAIN OF CUSTODY RECORD

Nº: 831259

Page : of

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### Sample Receipt Checklist

Client Name TETRA CHICAGO

Date and Time Received:

8/23/2010 9:20:00 AM

Work Order Number 10080730

Received by: CIG

Checklist completed by:

Signature

Date

8/23/10

Reviewed by:

Initials

CIG

Date

8/24/10

Matrix:

Carrier name FedEx

Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Custody seals intact on shipping container/cooler?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Custody seals intact on sample bottles?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody agrees with sample labels/containers?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Samples in proper container/bottle?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Container or Temp Blank temperature in compliance?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Temperature Ambient °C
Water - VOA vials have zero headspace?	No VOA vials submitted <input checked="" type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Water - Samples pH checked?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Checked by:
Water - Samples properly preserved?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	pH Adjusted?

Any No response must be detailed in the comments section below

Comments

 Client / Person  
contacted:

Date contacted:

Contacted by:

Response:



**STAT Analysis Corporation**

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766

Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-0

September 03, 2010

Tetra Tech EM Inc.  
1 South Wacker Drive  
37th Floor  
Chicago, IL 60606  
Telephone: (312) 856-8700  
Fax: (312) 938-0118

RE: 103DG9021.053.08, OMC, Waukegan

STAT Project No: 10080962

Dear Carol Nissen:

STAT Analysis received 5 samples for the referenced project on 8/30/2010 10:00:00 AM. The analytical results are presented in the following report.

All analyses were performed in accordance with the requirements of 35 IAC Part 186 / NELAC standards. Analyses were performed in accordance with methods as referenced on the analytical report. Those analytical results expressed on a dry weight basis are also noted on the analytical report.

All analyses were performed within established holding time criteria, and all Quality Control criteria met EPA or laboratory specifications except when noted in the Case Narrative or Analytical Report. If required, an estimate of uncertainty for the analyses can be provided. A listing of accredited methods/parameters can also be provided.

Thank you for the opportunity to serve you and I look forward to working with you in the future. If you have any questions regarding the enclosed materials, please contact me at (312) 733-0551.

Sincerely,



Catia Giannini  
Project Manager

*The information contained in this report and any attachments is confidential information intended only for the use of the individual or entities named above. The results of this report relate only to the samples tested. If you have received this report in error, please notify us immediately by phone. This report shall not be reproduced, except in its entirety, unless written approval has been obtained from the laboratory.*



---

**Client:** Tetra Tech EM Inc.**Project:** 103DG9021.053.08, OMC, Waukegan**Lab Order:** 10080962**Work Order Sample Summary**

---

<b>Lab Sample ID</b>	<b>Client Sample ID</b>	<b>Tag Number</b>	<b>Collection Date</b>	<b>Date Received</b>
10080962-001A	AS-N1 08-26-10		8/26/2010	8/30/2010
10080962-002A	AS-E1 08-26-10		8/26/2010	8/30/2010
10080962-003A	AS-W1 08-26-10		8/26/2010	8/30/2010
10080962-004A	AS-S1 08-26-10		8/26/2010	8/30/2010
10080962-005A	AS-S1D 08-26-10		8/26/2010	8/30/2010



---

**CLIENT:** Tetra Tech EM Inc.  
**Project:** 103DG9021.053.08, OMC, Waukegan  
**Lab Order:** 10080962

---

**CASE NARRATIVE**

The following filters were received damaged and/or torn: AS-W1 08-26-10 (10080962-003).



**STAT Analysis Corporation**

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766

Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-0

Date Reported: September 03, 2010

Date Printed: September 03, 2010

Client: Tetra Tech EM Inc.

Project: 103DG9021.053.08, OMC, Waukegan

Lab Order: 10080962

Lab ID: 10080962-001

Collection Date: 8/26/2010

Client Sample ID: AS-N1 08-26-10

Matrix: Air

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
----------	--------	----	-----------	-------	----	---------------

Particulate Matter in Air	40 CFR PART 50 APP. J			Prep Date: 8/30/2010	Analyst: JP	
Particulate Matter (as PM10)	24000	100		µg/filter 1		9/1/2010

Lab ID: 10080962-002

Collection Date: 8/26/2010

Client Sample ID: AS-E1 08-26-10

Matrix: Air

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
----------	--------	----	-----------	-------	----	---------------

Particulate Matter in Air	40 CFR PART 50 APP. J			Prep Date: 8/30/2010	Analyst: JP	
Particulate Matter (as PM10)	31400	100		µg/filter 1		9/1/2010

Lab ID: 10080962-003

Collection Date: 8/26/2010

Client Sample ID: AS-W1 08-26-10

Matrix: Air

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
----------	--------	----	-----------	-------	----	---------------

Particulate Matter in Air	40 CFR PART 50 APP. J			Prep Date: 8/30/2010	Analyst: JP	
Particulate Matter (as PM10)	14700	100		µg/filter 1		9/1/2010

Lab ID: 10080962-004

Collection Date: 8/26/2010

Client Sample ID: AS-S1 08-26-10

Matrix: Air

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
----------	--------	----	-----------	-------	----	---------------

Particulate Matter in Air	40 CFR PART 50 APP. J			Prep Date: 8/30/2010	Analyst: JP	
Particulate Matter (as PM10)	53800	100		µg/filter 1		9/1/2010

Lab ID: 10080962-005

Collection Date: 8/26/2010

Client Sample ID: AS-S1D 08-26-10

Matrix: Air

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
----------	--------	----	-----------	-------	----	---------------

Particulate Matter in Air	40 CFR PART 50 APP. J			Prep Date: 8/30/2010	Analyst: JP	
Particulate Matter (as PM10)	53600	100		µg/filter 1		9/1/2010

**Qualifiers:**

- ND - Not Detected at the Reporting Limit
- J - Analyte detected below quantitation limits
- B - Analyte detected in the associated Method Blank
- HT - Sample received past holding time
- \* - Non-accredited parameter

- RL - Reporting / Quantitation Limit for the analysis
- S - Spike Recovery outside accepted recovery limits
- R - RPD outside accepted recovery limits
- E - Value above quantitation range
- H - Holding time exceeded



Nº: 831260

Page : of

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**Sample Receipt Checklist**

Client Name **TETRA CHICAGO**

Date and Time Received: **8/30/2010 10:00:00 AM**

Work Order Number **10080962**

Received by **CDF**

Checklist completed by

Signature

Date

**8/30/10**

Reviewed by

Initials

**OG 8/31/10**

Date

Matrix

Carrier name: **FedEx**

Shipping container/cooler in good condition?

Yes ☒

No ☐

Not Present ☐

Custody seals intact on shipping container/cooler?

Yes ☐

No ☐

Not Present ☒

Custody seals intact on sample bottles?

Yes ☐

No ☐

Not Present ☒

Chain of custody present?

Yes ☒

No ☐

Chain of custody signed when relinquished and received?

Yes ☒

No ☐

Chain of custody agrees with sample labels/containers?

Yes ☒

No ☐

Samples in proper container/bottle?

Yes ☒

No ☐

Sample containers intact?

Yes ☒

No ☐

Sufficient sample volume for indicated test?

Yes ☒

No ☐

All samples received within holding time?

Yes ☒

No ☐

Container or Temp Blank temperature in compliance?

Yes ☒

No ☐

Temperature Ambient °C

Water - VOA vials have zero headspace?

No VOA vials submitted ☐

Yes ☐

No ☐

Water - Samples pH checked?

Yes ☐

No ☐

Checked by

Water - Samples properly preserved?

Yes ☐

No ☐

Checked by

Any No response must be detailed in the comments section below

Comments

Client / Person  
contacted

Date contacted

Contacted by

Response



**STAT Analysis Corporation**

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766

Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-0

September 13, 2010

Tetra Tech EM Inc.  
1 South Wacker Drive  
37th Floor  
Chicago, IL 60606  
Telephone: (312) 856-8700  
Fax: (312) 938-0118

RE: 103DG9021-053-08, OMC, Waukegan

STAT Project No: 10090254

Dear Carol Nissen:

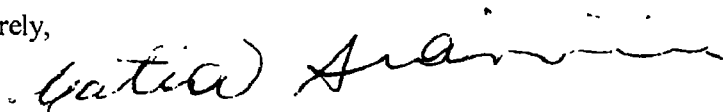
STAT Analysis received 5 samples for the referenced project on 9/10/2010 10:00:00 AM. The analytical results are presented in the following report.

All analyses were performed in accordance with the requirements of 35 IAC Part 186 / NELAC standards. Analyses were performed in accordance with methods as referenced on the analytical report. Those analytical results expressed on a dry weight basis are also noted on the analytical report.

All analyses were performed within established holding time criteria, and all Quality Control criteria met EPA or laboratory specifications except when noted in the Case Narrative or Analytical Report. If required, an estimate of uncertainty for the analyses can be provided. A listing of accredited methods/parameters can also be provided.

Thank you for the opportunity to serve you and I look forward to working with you in the future. If you have any questions regarding the enclosed materials, please contact me at (312) 733-0551.

Sincerely,



Catia Giannini  
Project Manager

*The information contained in this report and any attachments is confidential information intended only for the use of the individual or entities named above. The results of this report relate only to the samples tested. If you have received this report in error, please notify us immediately by phone. This report shall not be reproduced, except in its entirety, unless written approval has been obtained from the laboratory*



---

**Client:** Tetra Tech EM Inc.  
**Project:** 103DG9021-053-08, OMC, Waukegan  
**Lab Order:** 10090254

---

**Work Order Sample Summary**

---

<b>Lab Sample ID</b>	<b>Client Sample ID</b>	<b>Tag Number</b>	<b>Collection Date</b>	<b>Date Received</b>
10090254-001A	AS-E1 09/08/10		9/8/2010	9/10/2010
10090254-002A	AS-N1 09/08/10		9/8/2010	9/10/2010
10090254-003A	AS-W1 09/08/10		9/8/2010	9/10/2010
10090254-004A	AS-S1 09/08/10		9/8/2010	9/10/2010
10090254-005A	AS-S1D 09/08/10		9/8/2010	9/10/2010

---



---

**CLIENT:** Tetra Tech EM Inc.  
**Project:** 103DG9021-053-08, OMC, Waukegan  
**Lab Order:** 10090254

---

**CASE NARRATIVE**

The following 47mm filters were found to be torn when examined during the post weighing process:  
Sample AS-N1 09/08/10 (10090254-002)

**STAT Analysis Corporation**

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766

Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-0

Date Reported: September 13, 2010

Date Printed: September 13, 2010

Client: Tetra Tech EM Inc.

Project: 103DG9021-053-08, OMC, Waukegan

Lab Order: 10090254

Lab ID: 10090254-001

Collection Date: 9/8/2010

Client Sample ID: AS-E1 09/08/10

Matrix: Air

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
----------	--------	----	-----------	-------	----	---------------

Particulate Matter in Air	40 CFR PART 50 APP. J			Prep Date: 9/10/2010	Analyst: JP	
Particulate Matter (as PM10)	21600	100		µg/filter 1		9/13/2010

Lab ID: 10090254-002

Collection Date: 9/8/2010

Client Sample ID: AS-N1 09/08/10

Matrix: Air

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
----------	--------	----	-----------	-------	----	---------------

Particulate Matter in Air	40 CFR PART 50 APP. J			Prep Date: 9/10/2010	Analyst: JP	
Particulate Matter (as PM10)	14700	100		µg/filter 1		9/13/2010

Lab ID: 10090254-003

Collection Date: 9/8/2010

Client Sample ID: AS-W1 09/08/10

Matrix: Air

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
----------	--------	----	-----------	-------	----	---------------

Particulate Matter in Air	40 CFR PART 50 APP. J			Prep Date: 9/10/2010	Analyst: JP	
Particulate Matter (as PM10)	22900	100		µg/filter 1		9/13/2010

Lab ID: 10090254-004

Collection Date: 9/8/2010

Client Sample ID: AS-S1 09/08/10

Matrix: Air

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
----------	--------	----	-----------	-------	----	---------------

Particulate Matter in Air	40 CFR PART 50 APP. J			Prep Date: 9/10/2010	Analyst: JP	
Particulate Matter (as PM10)	23600	100		µg/filter 1		9/13/2010

Lab ID: 10090254-005

Collection Date: 9/8/2010

Client Sample ID: AS-S1D 09/08/10

Matrix: Air

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
----------	--------	----	-----------	-------	----	---------------

Particulate Matter in Air	40 CFR PART 50 APP. J			Prep Date: 9/10/2010	Analyst: JP	
Particulate Matter (as PM10)	23800	100		µg/filter 1		9/13/2010

**Qualifiers:**

- ND - Not Detected at the Reporting Limit
- J - Analyte detected below quantitation limits
- B - Analyte detected in the associated Method Blank
- HT - Sample received past holding time
- \* - Non-accredited parameter

- RL - Reporting / Quantitation Limit for the analysis
- S - Spike Recovery outside accepted recovery limits
- R - RPD outside accepted recovery limits
- E - Value above quantitation range
- H - Holding time exceeded



## Page : \_\_\_\_ of \_\_\_\_

Page 5 of 6

**Sample Receipt Checklist**

Client Name TETRA CHICAGO

Date and Time Received: 9/10/2010 10:00:00 AM

Work Order Number 10090254

Received by: CDF

Checklist completed by

Signature

Date

9/10/10

Reviewed by

Initials

Date

CDF

9/13/10

Matrix

Carrier name: FedEx

Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Custody seals intact on shipping container/cooler?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Custody seals intact on sample bottles?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody agrees with sample labels/containers?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Samples in proper container/bottle?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Container or Temp Blank temperature in compliance?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Temperature Ambient °C
Water - VOA vials have zero headspace?	No VOA vials submitted <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Water - Samples pH checked?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Checked by:
Water - Samples properly preserved?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	pH Adjusted?

Any No response must be detailed in the comments section below.

Comments

Client / Person contacted.

Date contacted.

Contacted by:

Response



**STAT Analysis Corporation**

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766

Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-0

September 28, 2010

Tetra Tech EM Inc.  
1 South Wacker Drive  
37th Floor  
Chicago, IL 60606  
Telephone: (312) 856-8700  
Fax: (312) 938-0118

RE: 103DG9021.053.05, OMC

STAT Project No: 10090659

Dear Carol Nissen:

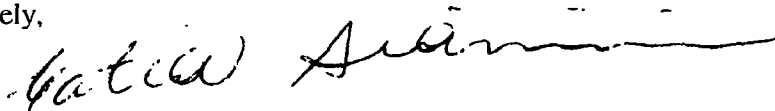
STAT Analysis received 5 samples for the referenced project on 9/23/2010 9:30:00 AM. The analytical results are presented in the following report.

All analyses were performed in accordance with the requirements of 35 IAC Part 186 / NELAC standards. Analyses were performed in accordance with methods as referenced on the analytical report. Those analytical results expressed on a dry weight basis are also noted on the analytical report.

All analyses were performed within established holding time criteria, and all Quality Control criteria met EPA or laboratory specifications except when noted in the Case Narrative or Analytical Report. If required, an estimate of uncertainty for the analyses can be provided. A listing of accredited methods/parameters can also be provided.

Thank you for the opportunity to serve you and I look forward to working with you in the future. If you have any questions regarding the enclosed materials, please contact me at (312) 733-0551.

Sincerely,



Catia Giannini  
Project Manager

*The information contained in this report and any attachments is confidential information intended only for the use of the individual or entities named above. The results of this report relate only to the samples tested. If you have received this report in error, please notify us immediately by phone. This report shall not be reproduced, except in its entirety, unless written approval has been obtained from the laboratory.*

---

**Client:** Tetra Tech EM Inc.  
**Project:** 103DG9021.053.05, OMC  
**Lab Order:** 10090659

---

**Work Order Sample Summary**

---

<b>Lab Sample ID</b>	<b>Client Sample ID</b>	<b>Tag Number</b>	<b>Collection Date</b>	<b>Date Received</b>
10090659-001A	OMC-AS-E1 09-17-10		9/17/2010	9/23/2010
10090659-002A	OMC-AS-N1 09-17-10		9/17/2010	9/23/2010
10090659-003A	OMC-AS-W1 09-17-10		9/17/2010	9/23/2010
10090659-004A	OMC-AS-S1 09-17-10		9/17/2010	9/23/2010
10090659-005A	OMC-AS-S1D 09-17-10		9/17/2010	9/23/2010

---



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Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-0

Date Reported: September 28, 2010

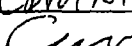
Date Printed: September 28, 2010

<b>Client:</b>	Tetra Tech EM Inc.					
<b>Project:</b>	103DG9021.053.05, OMC			<b>Lab Order:</b>	10090659	
<b>Lab ID:</b>	10090659-001			<b>Collection Date:</b>	9/17/2010	
<b>Client Sample ID:</b>	OMC-AS-E1 09-17-10			<b>Matrix:</b>	Air	
<b>Analyses</b>	<b>Result</b>	<b>RL</b>	<b>Qualifier</b>	<b>Units</b>	<b>DF</b>	<b>Date Analyzed</b>
<b>Particulate Matter in Air</b>	<b>40 CFR PART 50 APP. J</b>			<b>Prep Date:</b>	<b>9/23/2010</b>	<b>Analyst: JP</b>
Particulate Matter (as PM10)	15100	100		µg/filter	1	9/27/2010
<b>Lab ID:</b>	10090659-002			<b>Collection Date:</b>	9/17/2010	
<b>Client Sample ID:</b>	OMC-AS-N1 09-17-10			<b>Matrix:</b>	Air	
<b>Analyses</b>	<b>Result</b>	<b>RL</b>	<b>Qualifier</b>	<b>Units</b>	<b>DF</b>	<b>Date Analyzed</b>
<b>Particulate Matter in Air</b>	<b>40 CFR PART 50 APP. J</b>			<b>Prep Date:</b>	<b>9/23/2010</b>	<b>Analyst: JP</b>
Particulate Matter (as PM10)	13100	100		µg/filter	1	9/27/2010
<b>Lab ID:</b>	10090659-003			<b>Collection Date:</b>	9/17/2010	
<b>Client Sample ID:</b>	OMC-AS-W1 09-17-10			<b>Matrix:</b>	Air	
<b>Analyses</b>	<b>Result</b>	<b>RL</b>	<b>Qualifier</b>	<b>Units</b>	<b>DF</b>	<b>Date Analyzed</b>
<b>Particulate Matter in Air</b>	<b>40 CFR PART 50 APP. J</b>			<b>Prep Date:</b>	<b>9/23/2010</b>	<b>Analyst: JP</b>
Particulate Matter (as PM10)	28200	100		µg/filter	1	9/27/2010
<b>Lab ID:</b>	10090659-004			<b>Collection Date:</b>	9/17/2010	
<b>Client Sample ID:</b>	OMC-AS-S1 09-17-10			<b>Matrix:</b>	Air	
<b>Analyses</b>	<b>Result</b>	<b>RL</b>	<b>Qualifier</b>	<b>Units</b>	<b>DF</b>	<b>Date Analyzed</b>
<b>Particulate Matter in Air</b>	<b>40 CFR PART 50 APP. J</b>			<b>Prep Date:</b>	<b>9/23/2010</b>	<b>Analyst: JP</b>
Particulate Matter (as PM10)	34000	100		µg/filter	1	9/27/2010
<b>Lab ID:</b>	10090659-005			<b>Collection Date:</b>	9/17/2010	
<b>Client Sample ID:</b>	OMC-AS-S1D 09-17-10			<b>Matrix:</b>	Air	
<b>Analyses</b>	<b>Result</b>	<b>RL</b>	<b>Qualifier</b>	<b>Units</b>	<b>DF</b>	<b>Date Analyzed</b>
<b>Particulate Matter in Air</b>	<b>40 CFR PART 50 APP. J</b>			<b>Prep Date:</b>	<b>9/23/2010</b>	<b>Analyst: JP</b>
Particulate Matter (as PM10)	34400	100		µg/filter	1	9/27/2010

**Qualifiers:**

ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
HT - Sample received past holding time  
\* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis  
S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range  
H - Holding time exceeded

(Please Print Clearly)	
Company Name:	TE. No Tech
Branch/Location:	Chicago
Project Contact:	Tom Hobins
Phone:	312 201-74 74
Project Number:	1031069021 053.05
Project Name:	OMC
Project State:	IL
Sampled By (Print):	Carol Nissen
Sampled By (Sign):	
PO #:	
	Regulatory Department



## CHAIN OF CUSTODY

**Preservation Codes**  
A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH  
H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

**FILTERED?**  
**(YES/NO)**

**PRESERVATION  
(CODE)\***

---

<b>Data Package Options</b>	<b>MS/MSD</b>	<b>Matrix Codes</b>
(billable)		
<input type="checkbox"/> EPA Level III	<input type="checkbox"/> On your sample	A = Air
	(billable)	B = Biota
<input type="checkbox"/> EPA Level IV	<input type="checkbox"/> NOT needed on	C = Charcoal
	your sample	D = Oil
		S = Soil
		SI = Sludge
		W = Water
		DW = Drinking Water
		GW = Ground Water
		SW = Surface Water
		WW = Waste Water
		WP = Wipe

[illegible]

<b>Rush Turnaround Time Requested - Prelims</b> <b>(Rush TAT subject to approval/surcharge)</b> <b>Date Needed.</b>		Relinquished By <u>Curtis</u> Date/Time <u>9/20/10 1530hrs</u> Relinquished By _____ Date/Time _____ Relinquished By _____ Date/Time _____ Relinquished By _____ Date/Time _____ Relinquished By _____ Date/Time _____	Received By <u>[Signature]</u> Date/Time <u>9/23/10 930</u> <del>Received By _____ Date/Time _____</del> <del>Received By _____ Date/Time _____</del> <del>Received By _____ Date/Time _____</del> <del>Received By _____ Date/Time _____</del>	<b>PACE Project No</b> <u>10090659</u> Receipt Temp = <u>Ambient</u> °C <b>Sample Receipt pH</b> OK / Adjusted _____ <b>Cooler Custody Seal</b> Present / Not Present _____ Intact / Not Intact _____
Transmit Prelim Rush Results by (complete what you want). Email #1: _____ Email #2: _____ Telephone: _____ Fax: _____ <b>Samples on HOLD are subject to special pricing and release of liability</b>				



**Sample Receipt Checklist**

Client Name **TETRA CHICAGO**

Date and Time Received.

9/23/2010

Work Order Number **10090659**

Received by: **CDF**

Checklist completed by:

Signature

Date

9/23/10

Reviewed by:

Initials

Date

06 9/24/10

Matrix

Carrier name: **FedEx**

Shipping container/cooler in good condition?

Yes ☒

No ☐

Not Present ☐

Custody seals intact on shipping container/cooler?

Yes ☐

No ☐

Not Present ☒

Custody seals intact on sample bottles?

Yes ☐

No ☐

Not Present ☒

Chain of custody present?

Yes ☒

No ☐

Chain of custody signed when relinquished and received?

Yes ☒

No ☐

Chain of custody agrees with sample labels/containers?

Yes ☒

No ☐

Samples in proper container/bottle?

Yes ☒

No ☐

Sample containers intact?

Yes ☒

No ☐

Sufficient sample volume for indicated test?

Yes ☒

No ☐

All samples received within holding time?

Yes ☒

No ☐

Container or Temp Blank temperature in compliance?

Yes ☒

No ☐

Temperature Ambient °C

Water - VOA vials have zero headspace?

No VOA vials submitted ☐

Yes ☒

No ☐

Water - Samples pH checked?

Yes ☒

No ☐

Checked by

Water - Samples properly preserved?

Yes ☒

No ☐

pH Adjusted?

Any No response must be detailed in the comments section below.

Comments

Client / Person  
contacted

Date contacted

Contacted by:

Response

**STAT Analysis Corporation**

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766

Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-0

October 11, 2010

Tetra Tech EM Inc.  
1 South Wacker Drive  
37th Floor  
Chicago, IL 60606  
Telephone: (312) 856-8700  
Fax: (312) 938-0118

RE: 103DG9021053.05, OMC, Waukegan

STAT Project No: 10100082

Dear Carol Nissen:

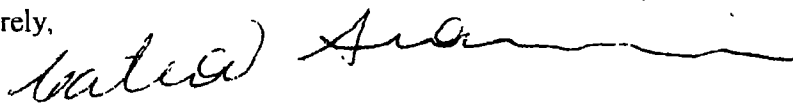
STAT Analysis received 5 samples for the referenced project on 10/4/2010 9:30:00 AM. The analytical results are presented in the following report.

All analyses were performed in accordance with the requirements of 35 IAC Part 186 / NELAC standards. Analyses were performed in accordance with methods as referenced on the analytical report. Those analytical results expressed on a dry weight basis are also noted on the analytical report.

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Thank you for the opportunity to serve you and I look forward to working with you in the future. If you have any questions regarding the enclosed materials, please contact me at (312) 733-0551.

Sincerely,



Catia Giannini  
Project Manager

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---

**Client:** Tetra Tech EM Inc.**Project:** 103DG9021053.05, OMC, Waukegan**Lab Order:** 10100082**Work Order Sample Summary**

---

<b>Lab Sample ID</b>	<b>Client Sample ID</b>	<b>Tag Number</b>	<b>Collection Date</b>	<b>Date Received</b>
10100082-001A	AS-E1 09-29-10		9/29/2010	10/4/2010
10100082-002A	AS-N1 09/29/10		9/29/2010	10/4/2010
10100082-003A	AS-W1 09/29/10		9/29/2010	10/4/2010
10100082-004A	AS-S1 09/29/10		9/29/2010	10/4/2010
10100082-005A	AS-S1D 09/29/10		9/29/2010	10/4/2010

**STAT Analysis Corporation**

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766

Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-

Date Reported: October 11, 2010

Date Printed: October 11, 2010

Client: Tetra Tech EM Inc.

Project: 103DG9021053.05, OMC, Waukegan

Lab Order: 10100082

Lab ID: 10100082-001

Collection Date: 9/29/2010

Client Sample ID AS-E1 09-29-10

Matrix: Air

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
----------	--------	----	-----------	-------	----	---------------

**Particulate Matter in Air**

40 CFR PART 50 APP. J

Prep Date: 10/4/2010 Analyst: JP

Particulate Matter (as PM10)

41700

100

µg/filter

1

10/8/2010

Lab ID: 10100082-002

Collection Date: 9/29/2010

Client Sample ID AS-N1 09/29/10

Matrix: Air

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
----------	--------	----	-----------	-------	----	---------------

**Particulate Matter in Air**

40 CFR PART 50 APP. J

Prep Date: 10/4/2010 Analyst: JP

Particulate Matter (as PM10)

41300

100

µg/filter

1

10/8/2010

Lab ID: 10100082-003

Collection Date: 9/29/2010

Client Sample ID AS-W1 09/29/10

Matrix: Air

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
----------	--------	----	-----------	-------	----	---------------

**Particulate Matter in Air**

40 CFR PART 50 APP. J

Prep Date: 10/4/2010 Analyst: JP

Particulate Matter (as PM10)

56300

100

µg/filter

1

10/8/2010

Lab ID: 10100082-004

Collection Date: 9/29/2010

Client Sample ID AS-S1 09/29/10

Matrix: Air

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
----------	--------	----	-----------	-------	----	---------------

**Particulate Matter in Air**

40 CFR PART 50 APP. J

Prep Date: 10/4/2010 Analyst: JP

Particulate Matter (as PM10)

68200

100

µg/filter

1

10/8/2010

Lab ID: 10100082-005

Collection Date: 9/29/2010

Client Sample ID AS-S1D 09/29/10

Matrix: Air

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
----------	--------	----	-----------	-------	----	---------------

**Particulate Matter in Air**

40 CFR PART 50 APP. J

Prep Date: 10/4/2010 Analyst: JP

Particulate Matter (as PM10)

67000

100

µg/filter

1

10/8/2010

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HT - Sample received past holding time  
\* - Non-accredited parameter

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S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range  
H - Holding time exceeded



N<sup>o</sup>: 832794 Page:        of       

Company: Tetra Tech							P.O. No.:				
Project Number: 103 DG902/05305 Client Tracking No.:							Quote No.:				
Project Name: OMC							<div style="text-align: center;">PMLD Turn Around</div>				
Project Location: Waukegan											
Sampler(s): Carr/Miser											
Report To: Tamblahay Phone:											
Fax:											
e-mail:											
QC Level: 1 2 3 4							Results Needed am/pm				
Client Sample Number/Description:		Date Taken	Time Taken	Matrix	Comp	Grah	Preserv	No of Containers		Remarks	Lab No.:
AS-EI 09-29-10		09/29/10		Filler				1			
AS-NI 09/29/10								1			002
AS-WI 09/29/10								1			003
AS-SI 09/29/10								1			004
AS-SID 09/29/10								1			005
Relinquished by (Signature)		Date/Time		Comments:							
Received by (Signature)		Date/Time		Reports ug/filiter							
Relinquished by (Signature)		Date/Time									
Received by (Signature)		Date/Time									
Relinquished by (Signature)		Date/Time		Preservation Code: A = None B = HNO <sub>3</sub> C = NaOH							
Received by (Signature)		Date/Time		D = H <sub>2</sub> SO <sub>4</sub> E = HCl F = 5035/EnCore G = Other							

**Sample Receipt Checklist**

Client Name **TETRA CHICAGO**

Date and Time Received: **10/4/2010 9:30:00 AM**

Work Order Number **10100082**

Received by **CDF**

Checklist completed by

Signature

Date

**10/4/10**

Reviewed by:

Initials

Date

**CG 10/5/10**

Matrix

Carrier name: **FedEx**

Shipping container/cooler in good condition?

Yes ☒

No ☐

Not Present ☐

Custody seals intact on shipping container/cooler?

Yes ☐

No ☐

Not Present ☒

Custody seals intact on sample bottles?

Yes ☐

No ☐

Not Present ☒

Chain of custody present?

Yes ☒

No ☐

Chain of custody signed when relinquished and received?

Yes ☒

No ☐

Chain of custody agrees with sample labels/containers?

Yes ☒

No ☐

Samples in proper container/bottle?

Yes ☒

No ☐

Sample containers intact?

Yes ☒

No ☐

Sufficient sample volume for indicated test?

Yes ☒

No ☐

All samples received within holding time?

Yes ☒

No ☐

Container or Temp Blank temperature in compliance?

Yes ☒

No ☐

Temperature Ambient °C

Water - VOA vials have zero headspace?

No VOA vials submitted ☒

Yes ☐

No ☐

Water - Samples pH checked?

Yes ☐

No ☐

Checked by

Water - Samples properly preserved?

Yes ☐

No ☒

pH Adjusted?

Any No response must be detailed in the comments section below

Comments:

Client / Person  
contacted:

Date contacted

Contacted by

Response



**STAT Analysis Corporation**

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766

Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-0

October 14, 2010

Tetra Tech EM Inc.  
1 South Wacker Drive  
37th Floor  
Chicago, IL 60606  
Telephone: (312) 946-6474  
Fax: (312) 938-0118

RE: OMC Plant 2

STAT Project No: 10100287

Dear Tom Hahne:

STAT Analysis received 5 samples for the referenced project on 10/11/2010 10:30:00 AM. The analytical results are presented in the following report.

All analyses were performed in accordance with the requirements of 35 IAC Part 186 / NELAC standards. Analyses were performed in accordance with methods as referenced on the analytical report. Those analytical results expressed on a dry weight basis are also noted on the analytical report.

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Thank you for the opportunity to serve you and I look forward to working with you in the future. If you have any questions regarding the enclosed materials, please contact me at (312) 733-0551.

Sincerely,



Catia Giannini  
Project Manager

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---

**Client:** Tetra Tech EM Inc.**Project:** OMC Plant 2**Lab Order:** 10100287**Work Order Sample Summary**

---

<b>Lab Sample ID</b>	<b>Client Sample ID</b>	<b>Tag Number</b>	<b>Collection Date</b>	<b>Date Received</b>
10100287-001A	AS-S1 10-6-10		10/6/2010	10/11/2010
10100287-002A	AS-S1D 10-6-10		10/6/2010	10/11/2010
10100287-003A	AS-W1 10-6-10		10/6/2010	10/11/2010
10100287-004A	AS-N1 10-6-10		10/6/2010	10/11/2010
10100287-005A	AS-E1 10-6-10		10/6/2010	10/11/2010



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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-

Date Reported: October 14, 2010

Date Printed: October 14, 2010

Client:	Tetra Tech EM Inc.					
Project:	OMC Plant 2			Lab Order:	10100287	
Lab ID:	10100287-001			Collection Date:	10/6/2010	
Client Sample ID	AS-S1 10-6-10			Matrix:	Air	
Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Particulate Matter in Air	40 CFR PART 50 APP. J			Prep Date: 10/11/2010 Analyst: JP		
Particulate Matter (as PM10)	76800	100		µg/filter	1	10/13/2010
Lab ID:	10100287-002			Collection Date:	10/6/2010	
Client Sample ID	AS-S1D 10-6-10			Matrix:	Air	
Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Particulate Matter in Air	40 CFR PART 50 APP. J			Prep Date: 10/11/2010 Analyst: JP		
Particulate Matter (as PM10)	81200	100		µg/filter	1	10/13/2010
Lab ID:	10100287-003			Collection Date:	10/6/2010	
Client Sample ID	AS-W1 10-6-10			Matrix:	Air	
Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Particulate Matter in Air	40 CFR PART 50 APP. J			Prep Date: 10/11/2010 Analyst: JP		
Particulate Matter (as PM10)	54500	100		µg/filter	1	10/13/2010
Lab ID:	10100287-004			Collection Date:	10/6/2010	
Client Sample ID	AS-N1 10-6-10			Matrix:	Air	
Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Particulate Matter in Air	40 CFR PART 50 APP. J			Prep Date: 10/11/2010 Analyst: JP		
Particulate Matter (as PM10)	44400	100		µg/filter	1	10/13/2010
Lab ID:	10100287-005			Collection Date:	10/6/2010	
Client Sample ID	AS-E1 10-6-10			Matrix:	Air	
Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Particulate Matter in Air	40 CFR PART 50 APP. J			Prep Date: 10/11/2010 Analyst: JP		
Particulate Matter (as PM10)	64100	100		µg/filter	1	10/13/2010

**Qualifiers:**

ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
HT - Sample received past holding time  
\* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis  
S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range  
H - Holding time exceeded

STAT

Client: Tetra Tech EM Inc (ARRA)

Address: 1 S. Wacker Dr. 37th Floor Suite 3700

City, State, Zip: Chicago IL 60606

Client Invoice Contact: Shelley Rice

Client Project Mgr: Tom Hahne

Client Telephone#: (312) 201-7700

Fax: (312) 201-0031

Sampler Name (Print):

Sampler Signature:

TA Account #: 3338042

PO #: 1062874

Invoice to: Tetra Tech EM Inc (ARRA)

Report to: Tom Hahne

Project Name: OMC

Facility ID: OMC Plant 2

Reg District (CA):

Site Address:

City, State, Zip:

Illinois

Sample ID	Date Sampled	Time Sampled	# Containers Shipped	Grab	Composite	Field Filtered	Methanol	Sodium Bisulfate	(Blue Label) HCL	Preservative					Matrix					Analyze for										RUSH TAT (Pre Schedule) *																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
										(Yellow Label) Plastic H2SO4	(Yellow Label) Glass H2SO4	(Red Label) HNO3	(Black Label) None	Groundwater	Wastewater	Drinking Water	Sludge	Soil	(specify) Other	8082 PCBs	8260B Single - Trichloroethene	8270C Semivolatile Organics	Solids Percent Dry Weight	01WD	XX	XX	XX	XX	XX		XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX

COMMENTS: All turn around times are calculated from the time of receipt at TestAmerica.

\* Pre-Arrangements must be made AT LEAST 48 Hours in ADVANCE to receive results with RUSH turn around time commitments; additional charges may be assessed.

There may be a charge assessed for TestAmerica disposing of sample remainders.

NOTES/SPECIAL INSTRUCTIONS: BO # 21290

10100287

Relinquished by:	Date:	Time:	Received by:	Date:	Time:	Relinquished by:	Date:	Time:
<i>[Signature]</i>	10/8/10	1500	<i>[Signature]</i>	10/11/10	1030			
Shipped Via:			Shipped Via:			QC Deliverables (Please Circle One):		
						Level 2 Level 3 Level 4 Site Specific		
Received for TestAmerica by:			Date:			Date Due of Report:		
Temperature Upon Receipt:			Sample Containers Intact? Y N			(If site specific, please pre-schedule w/ TestAmerica Project Manager or attach specific instructions)		
VOCs Free of Headspace? Y N								



**Sample Receipt Checklist**

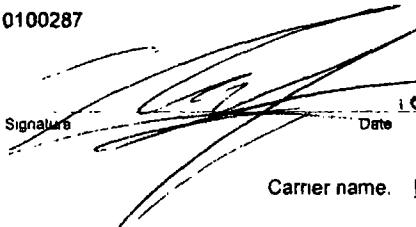
Client Name **TETRA CHICAGO**

Date and Time Received **10/11/2010 10:30:00 AM**

Work Order Number **10100287**

Received by **CDF**

Checklist completed by:

Signature:  Date: **10/11/10**

Reviewed by:

Initials: **CK** Date: **10/12/10**

Matrix:

Carrier name: **FedEx**

- |   |  |                              |   |
|---|--|------------------------------|---|
| Shipping container/cooler in good condition?            | Yes <input checked="" type="checkbox"/>                    | No <input type="checkbox"/>  | Not Present <input type="checkbox"/>            |
| Custody seals intact on shipping container/cooler?      | Yes <input type="checkbox"/>                               | No <input type="checkbox"/>  | Not Present <input checked="" type="checkbox"/> |
| Custody seals intact on sample bottles?                 | Yes <input type="checkbox"/>                               | No <input type="checkbox"/>  | Not Present <input checked="" type="checkbox"/> |
| Chain of custody present?                               | Yes <input checked="" type="checkbox"/>                    | No <input type="checkbox"/>  |   |
| Chain of custody signed when relinquished and received? | Yes <input checked="" type="checkbox"/>                    | No <input type="checkbox"/>  |   |
| Chain of custody agrees with sample labels/containers?  | Yes <input checked="" type="checkbox"/>                    | No <input type="checkbox"/>  |   |
| Samples in proper container/bottle?                     | Yes <input checked="" type="checkbox"/>                    | No <input type="checkbox"/>  |   |
| Sample containers intact?                               | Yes <input checked="" type="checkbox"/>                    | No <input type="checkbox"/>  |   |
| Sufficient sample volume for indicated test?            | Yes <input checked="" type="checkbox"/>                    | No <input type="checkbox"/>  |   |
| All samples received within holding time?               | Yes <input checked="" type="checkbox"/>                    | No <input type="checkbox"/>  |   |
| Container or Temp Blank temperature in compliance?      | Yes <input checked="" type="checkbox"/>                    | No <input type="checkbox"/>  | Temperature Ambient °C                          |
| Water - VOA vials have zero headspace?                  | No VOA vials submitted <input checked="" type="checkbox"/> | Yes <input type="checkbox"/> | No <input type="checkbox"/>                     |
| Water - Samples pH checked?                             | Yes <input type="checkbox"/>                               | No <input type="checkbox"/>  | Checked by                                      |
| Water - Samples properly preserved?                     | Yes <input type="checkbox"/>                               | No <input type="checkbox"/>  | pH Adjusted?                                    |

Any No response must be detailed in the comments section below

Comments

Client / Person contacted

Date contacted:

Contacted by

Response.

# **STAT** Analysis Corporation

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766

Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-0

October 19, 2010

Tetra Tech EM Inc.  
1 South Wacker Drive  
37th Floor  
Chicago, IL 60606  
Telephone: (312) 946-6474  
Fax: (312) 938-0118

RE: 103DG9021.05305, OMC, Waukegan

STAT Project No: 10100415

Dear Tom Hahne:

STAT Analysis received 5 samples for the referenced project on 10/14/2010 4:00:00 PM. The analytical results are presented in the following report.

All analyses were performed in accordance with the requirements of 35 IAC Part 186 / NELAC standards. Analyses were performed in accordance with methods as referenced on the analytical report. Those analytical results expressed on a dry weight basis are also noted on the analytical report.

All analyses were performed within established holding time criteria, and all Quality Control criteria met EPA or laboratory specifications except when noted in the Case Narrative or Analytical Report. If required, an estimate of uncertainty for the analyses can be provided. A listing of accredited methods/parameters can also be provided.

Thank you for the opportunity to serve you and I look forward to working with you in the future. If you have any questions regarding the enclosed materials, please contact me at (312) 733-0551.

Sincerely,



Catia Gianni  
Project Manager

*The information contained in this report and any attachments is confidential information intended only for the use of the individual or entities named above. The results of this report relate only to the samples tested. If you have received this report in error, please notify us immediately by phone. This report shall not be reproduced, except in its entirety, unless written approval has been obtained from the laboratory.*



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**Client:** Tetra Tech EM Inc.  
**Project:** 103DG9021.05305, OMC, Waukegan  
**Lab Order:** 10100415

---

**Work Order Sample Summary**

---

<b>Lab Sample ID</b>	<b>Client Sample ID</b>	<b>Tag Number</b>	<b>Collection Date</b>	<b>Date Received</b>
10100415-001A	AS-S1-10-12-10		10/12/2010	10/14/2010
10100415-002A	AS-S1D-10-12-10		10/12/2010	10/14/2010
10100415-003A	AS-W1-10-12-10		10/12/2010	10/14/2010
10100415-004A	AS-N1-10-12-10		10/12/2010	10/14/2010
10100415-005A	AS-E1-10-12-10		10/12/2010	10/14/2010

---

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**CLIENT:** Tetra Tech EM Inc.  
**Project:** 103DG9021.05305, OMC, Waukegan  
**Lab Order:** 10100415

---

**CASE NARRATIVE**

The following filters were received damaged and/or torn: AS-S1D-10-12-10 (10100415-002)



**STAT Analysis Corporation**

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766

Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-

Date Reported: October 19, 2010

Date Printed: October 19, 2010

<b>Client:</b>	Tetra Tech EM Inc.					
<b>Project:</b>	103DG9021.05305, OMC, Waukegan			<b>Lab Order:</b>	10100415	
<b>Lab ID:</b>	10100415-001			<b>Collection Date:</b>	10/12/2010	
<b>Client Sample ID</b>	AS-S1-10-12-10			<b>Matrix:</b>	Filter	
<b>Analyses</b>	<b>Result</b>	<b>RL</b>	<b>Qualifier</b>	<b>Units</b>	<b>DF</b>	<b>Date Analyzed</b>
<b>Particulate Matter in Air</b>	<b>40 CFR PART 50 APP. J</b>			<b>Prep Date:</b>	<b>10/14/2010</b>	<b>Analyst: RW</b>
Particulate Matter (as PM10)	35200	100		µg/filter	1	10/18/2010
<b>Lab ID:</b>	10100415-002			<b>Collection Date:</b>	10/12/2010	
<b>Client Sample ID</b>	AS-S1D-10-12-10			<b>Matrix:</b>	Filter	
<b>Analyses</b>	<b>Result</b>	<b>RL</b>	<b>Qualifier</b>	<b>Units</b>	<b>DF</b>	<b>Date Analyzed</b>
<b>Particulate Matter in Air</b>	<b>40 CFR PART 50 APP. J</b>			<b>Prep Date:</b>	<b>10/14/2010</b>	<b>Analyst: RW</b>
Particulate Matter (as PM10)	32900	100		µg/filter	1	10/18/2010
<b>Lab ID:</b>	10100415-003			<b>Collection Date:</b>	10/12/2010	
<b>Client Sample ID</b>	AS-W1-10-12-10			<b>Matrix:</b>	Filter	
<b>Analyses</b>	<b>Result</b>	<b>RL</b>	<b>Qualifier</b>	<b>Units</b>	<b>DF</b>	<b>Date Analyzed</b>
<b>Particulate Matter in Air</b>	<b>40 CFR PART 50 APP. J</b>			<b>Prep Date:</b>	<b>10/14/2010</b>	<b>Analyst: RW</b>
Particulate Matter (as PM10)	52500	100		µg/filter	1	10/18/2010
<b>Lab ID:</b>	10100415-004			<b>Collection Date:</b>	10/12/2010	
<b>Client Sample ID</b>	AS-N1-10-12-10			<b>Matrix:</b>	Filter	
<b>Analyses</b>	<b>Result</b>	<b>RL</b>	<b>Qualifier</b>	<b>Units</b>	<b>DF</b>	<b>Date Analyzed</b>
<b>Particulate Matter in Air</b>	<b>40 CFR PART 50 APP. J</b>			<b>Prep Date:</b>	<b>10/14/2010</b>	<b>Analyst: RW</b>
Particulate Matter (as PM10)	24300	100		µg/filter	1	10/18/2010
<b>Lab ID:</b>	10100415-005			<b>Collection Date:</b>	10/12/2010	
<b>Client Sample ID</b>	AS-E1-10-12-10			<b>Matrix:</b>	Filter	
<b>Analyses</b>	<b>Result</b>	<b>RL</b>	<b>Qualifier</b>	<b>Units</b>	<b>DF</b>	<b>Date Analyzed</b>
<b>Particulate Matter in Air</b>	<b>40 CFR PART 50 APP. J</b>			<b>Prep Date:</b>	<b>10/14/2010</b>	<b>Analyst: RW</b>
Particulate Matter (as PM10)	27300	100		µg/filter	1	10/18/2010

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
HT - Sample received past holding time  
\* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis  
S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range  
H - Holding time exceeded

## Page : \_\_\_\_\_ of \_\_\_\_\_

Page 5 of 6



**Sample Receipt Checklist**

Client Name TETRA CHICAGO

Date and Time Received. 10/14/2010 4:00:00 PM

Work Order Number 10100415

Received by: JJM

Checklist completed by.

*[Signature]* 10/14/10  
Signature Date

Reviewed by

*CG* 10/15/10  
Initials Date

Matrix:

Carrier name FedEx

Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Custody seals intact on shipping container/cooler?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Custody seals intact on sample bottles?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody agrees with sample labels/containers?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Samples in proper container/bottle?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Container or Temp Blank temperature in compliance?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Temperature Ambient °C
Water - VOA vials have zero headspace?	No VOA vials submitted <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Water - Samples pH checked?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Checked by:
Water - Samples properly preserved?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	pH Adjusted?

Any No response must be detailed in the comments section below

Comments

Client / Person  
contacted

Date contacted:

Contacted by:

Response:

**STAT Analysis Corporation**

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766

Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-

November 01, 2010

Tetra Tech EM Inc.  
1 South Wacker Drive  
37th Floor  
Chicago, IL 60606  
Telephone: (312) 856-8700  
Fax: (312) 938-0118

RE: 103DG902105305, OMC, Waukegan

STAT Project No: 10100801

Dear Carol Nissen:

STAT Analysis received 5 samples for the referenced project on 10/25/2010 9:30:00 AM. The analytical results are presented in the following report.

All analyses were performed in accordance with the requirements of 35 IAC Part 186 / NELAC standards. Analyses were performed in accordance with methods as referenced on the analytical report. Those analytical results expressed on a dry weight basis are also noted on the analytical report.

All analyses were performed within established holding time criteria, and all Quality Control criteria met EPA or laboratory specifications except when noted in the Case Narrative or Analytical Report. If required, an estimate of uncertainty for the analyses can be provided. A listing of accredited methods/parameters can also be provided.

Thank you for the opportunity to serve you and I look forward to working with you in the future. If you have any questions regarding the enclosed materials, please contact me at (312) 733-0551.

Sincerely,



Katelin Lewis  
Project Manager

*The information contained in this report and any attachments is confidential information intended only for the use of the individual or entities named above. The results of this report relate only to the samples tested. If you have received this report in error, please notify us immediately by phone. This report shall not be reproduced, except in its entirety, unless written approval has been obtained from the laboratory.*



---

**Client:** Tetra Tech EM Inc.  
**Project:** 103DG902105305, OMC, Waukegan  
**Lab Order:** 10100801

---

**Work Order Sample Summary**

---

<b>Lab Sample ID</b>	<b>Client Sample ID</b>	<b>Tag Number</b>	<b>Collection Date</b>	<b>Date Received</b>
10100801-001A	AS-E1 10-20-10		10/20/2010	10/25/2010
10100801-002A	AS-N1 10-20-10		10/20/2010	10/25/2010
10100801-003A	AS-W1 10-20-10		10/20/2010	10/25/2010
10100801-004A	AS-S1 10-20-10		10/20/2010	10/25/2010
10100801-005A	AS-S1D 10-20-10		10/20/2010	10/25/2010

---

**STAT Analysis Corporation**

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766

Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Date Reported: November 01, 2010

Date Printed: November 01, 2010

Client:	Tetra Tech EM Inc.					
Project:	103DG902105305, OMC, Waukegan			Lab Order: 10100801		
Lab ID:	10100801-001			Collection Date 10/20/2010		
Client Sample ID:	AS-E1 10-20-10			Matrix: Air		
Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Particulate Matter in Air	40 CFR PART 50 APP. J			Prep Date: 10/25/2010		Analyst: JP
Particulate Matter (as PM10)	120000	100		µg/filter	1	10/29/2010
Lab ID:	10100801-002			Collection Date 10/20/2010		
Client Sample ID:	AS-N1 10-20-10			Matrix: Air		
Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Particulate Matter in Air	40 CFR PART 50 APP. J			Prep Date: 10/25/2010		Analyst: JP
Particulate Matter (as PM10)	36600	100		µg/filter	1	10/29/2010
Lab ID:	10100801-003			Collection Date 10/20/2010		
Client Sample ID:	AS-W1 10-20-10			Matrix: Air		
Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Particulate Matter in Air	40 CFR PART 50 APP. J			Prep Date: 10/25/2010		Analyst: JP
Particulate Matter (as PM10)	68600	100		µg/filter	1	10/29/2010
Lab ID:	10100801-004			Collection Date 10/20/2010		
Client Sample ID:	AS-S1 10-20-10			Matrix: Air		
Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Particulate Matter in Air	40 CFR PART 50 APP. J			Prep Date: 10/25/2010		Analyst: JP
Particulate Matter (as PM10)	74600	100		µg/filter	1	10/29/2010
Lab ID:	10100801-005			Collection Date 10/20/2010		
Client Sample ID:	AS-S1D 10-20-10			Matrix: Air		
Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Particulate Matter in Air	40 CFR PART 50 APP. J			Prep Date: 10/25/2010		Analyst: JP
Particulate Matter (as PM10)	75300	100		µg/filter	1	10/29/2010

**Qualifiers:**

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

HT - Sample received past holding time

\* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded



## CHAIN OF CUSTODY RECORD

N<sup>o</sup>: 831332 Page:        of       

[illegible]

**Sample Receipt Checklist**

Client Name **TETRA CHICAGO**

Date and Time Received

**10/25/2010 9:30:00 AM**

Work Order Number **10100801**

Received by **CDF**

Checklist completed by.

Signature

Date

**10/25/10**

Reviewed by

Initials

Date

**CG**

**10/26/10**

Matrix

Carrier name: **FedEx**

Shipping container/cooler in good condition?

Yes ☒

No ☐

Not Present ☐

Custody seals intact on shipping container/cooler?

Yes ☐

No ☐

Not Present ☒

Custody seals intact on sample bottles?

Yes ☐

No ☐

Not Present ☒

Chain of custody present?

Yes ☒

No ☐

Chain of custody signed when relinquished and received?

Yes ☒

No ☐

Chain of custody agrees with sample labels/containers?

Yes ☒

No ☐

Samples in proper container/bottle?

Yes ☒

No ☐

Sample containers intact?

Yes ☒

No ☐

Sufficient sample volume for indicated test?

Yes ☒

No ☐

All samples received within holding time?

Yes ☒

No ☐

Container or Temp Blank temperature in compliance?

Yes ☒

No ☐

Temperature Ambient °C

Water - VOA vials have zero headspace?

No VOA vials submitted ☒

Yes ☐

No ☐

Water - Samples pH checked?

Yes ☐

No ☐

Checked by

Water - Samples properly preserved?

Yes ☐

No ☐

pH Adjusted?

Any No response must be detailed in the comments section below.

Comments

Client / Person  
contacted

Date contacted

Contacted by

Response



**STAT Analysis Corporation**

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766

Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-0

November 08, 2010

Tetra Tech EM Inc.  
1 South Wacker Drive  
37th Floor  
Chicago, IL 60606  
Telephone: (312) 946-6474  
Fax: (312) 938-0118

RE: 103DG9021-053-05, OMC, Waukegan

STAT Project No: 10110025

Dear Tom Hahne:

STAT Analysis received 5 samples for the referenced project on 11/1/2010 9:30:00 AM. The analytical results are presented in the following report.

All analyses were performed in accordance with the requirements of 35 IAC Part 186 / NELAC standards. Analyses were performed in accordance with methods as referenced on the analytical report. Those analytical results expressed on a dry weight basis are also noted on the analytical report.

All analyses were performed within established holding time criteria, and all Quality Control criteria met EPA or laboratory specifications except when noted in the Case Narrative or Analytical Report. If required, an estimate of uncertainty for the analyses can be provided. A listing of accredited methods/parameters can also be provided.

Thank you for the opportunity to serve you and I look forward to working with you in the future. If you have any questions regarding the enclosed materials, please contact me at (312) 733-0551.

Sincerely,



Catia Giannini  
Project Manager

*The information contained in this report and any attachments is confidential information intended only for the use of the individual or entities named above. The results of this report relate only to the samples tested. If you have received this report in error, please notify us immediately by phone. This report shall not be reproduced, except in its entirety, unless written approval has been obtained from the laboratory.*

---

**Client:** Tetra Tech EM Inc.  
**Project:** 103DG9021-053-05, OMC, Waukegan  
**Lab Order:** 10110025

---

**Work Order Sample Summary**

---

<b>Lab Sample ID</b>	<b>Client Sample ID</b>	<b>Tag Number</b>	<b>Collection Date</b>	<b>Date Received</b>
10110025-001A	AS-W1 10-28-10		10/28/2010	11/1/2010
10110025-002A	AS-N1 10-28-10		10/28/2010	11/1/2010
10110025-003A	AS-E1 10-28-10		10/28/2010	11/1/2010
10110025-004A	AS-S1 10-28-10		10/28/2010	11/1/2010
10110025-005A	AS-S1D 10-28-10		10/28/2010	11/1/2010

---



**STAT Analysis Corporation**

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Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-

Date Reported: November 08, 2010

Date Printed: November 08, 2010

<b>Client:</b>	Tetra Tech EM Inc.					
<b>Project:</b>	103DG9021-053-05, OMC, Waukegan			<b>Lab Order:</b>	10110025	
<b>Lab ID:</b>	10110025-001			<b>Collection Date:</b>	10/28/2010	
<b>Client Sample ID</b>	AS-W1 10-28-10			<b>Matrix:</b>	Air	
<b>Analyses</b>	<b>Result</b>	<b>RL</b>	<b>Qualifier</b>	<b>Units</b>	<b>DF</b>	<b>Date Analyzed</b>
<b>Particulate Matter in Air</b>	<b>40 CFR PART 50 APP. J</b>			<b>Prep Date:</b>	<b>11/1/2010</b>	<b>Analyst: JP</b>
Particulate Matter (as PM10)	16500	100		µg/filter	1	11/5/2010
<b>Lab ID:</b>	10110025-002			<b>Collection Date:</b>	10/28/2010	
<b>Client Sample ID</b>	AS-N1 10-28-10			<b>Matrix:</b>	Air	
<b>Analyses</b>	<b>Result</b>	<b>RL</b>	<b>Qualifier</b>	<b>Units</b>	<b>DF</b>	<b>Date Analyzed</b>
<b>Particulate Matter in Air</b>	<b>40 CFR PART 50 APP. J</b>			<b>Prep Date:</b>	<b>11/1/2010</b>	<b>Analyst: JP</b>
Particulate Matter (as PM10)	8500	100		µg/filter	1	11/5/2010
<b>Lab ID:</b>	10110025-003			<b>Collection Date:</b>	10/28/2010	
<b>Client Sample ID</b>	AS-E1 10-28-10			<b>Matrix:</b>	Air	
<b>Analyses</b>	<b>Result</b>	<b>RL</b>	<b>Qualifier</b>	<b>Units</b>	<b>DF</b>	<b>Date Analyzed</b>
<b>Particulate Matter in Air</b>	<b>40 CFR PART 50 APP. J</b>			<b>Prep Date:</b>	<b>11/1/2010</b>	<b>Analyst: JP</b>
Particulate Matter (as PM10)	8900	100		µg/filter	1	11/5/2010
<b>Lab ID:</b>	10110025-004			<b>Collection Date:</b>	10/28/2010	
<b>Client Sample ID</b>	AS-S1 10-28-10			<b>Matrix:</b>	Air	
<b>Analyses</b>	<b>Result</b>	<b>RL</b>	<b>Qualifier</b>	<b>Units</b>	<b>DF</b>	<b>Date Analyzed</b>
<b>Particulate Matter in Air</b>	<b>40 CFR PART 50 APP. J</b>			<b>Prep Date:</b>	<b>11/1/2010</b>	<b>Analyst: JP</b>
Particulate Matter (as PM10)	22700	100		µg/filter	1	11/5/2010
<b>Lab ID:</b>	10110025-005			<b>Collection Date:</b>	10/28/2010	
<b>Client Sample ID</b>	AS-S1D 10-28-10			<b>Matrix:</b>	Air	
<b>Analyses</b>	<b>Result</b>	<b>RL</b>	<b>Qualifier</b>	<b>Units</b>	<b>DF</b>	<b>Date Analyzed</b>
<b>Particulate Matter in Air</b>	<b>40 CFR PART 50 APP. J</b>			<b>Prep Date:</b>	<b>11/1/2010</b>	<b>Analyst: JP</b>
Particulate Matter (as PM10)	23200	100		µg/filter	1	11/5/2010

**Qualifiers:**

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

HT - Sample received past holding time

\* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

N<sup>o</sup>: 834331 Page :        of       

Page 4 of 5



**Sample Receipt Checklist**

Client Name **TETRA CHICAGO**

Date and Time Received: **11/1/2010 9:30:00 AM**

Work Order Number **10110025**

Received by **CDF**

Checklist completed by

Signature

Date

**11/1/10**

Reviewed by

Initials

**KL**

**11/2/10**

Date

Matrix

Carrier name **FedEx**

Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Custody seals intact on shipping container/cooler?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Custody seals intact on sample bottles?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody agrees with sample labels/containers?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Samples in proper container/bottle?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Container or Temp Blank temperature in compliance?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Temperature Ambient °C
Water - VOA vials have zero headspace?	No VOA vials submitted <input checked="" type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Water - Samples pH checked?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Checked by
Water - Samples properly preserved?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	pH Adjusted?

Any No response must be detailed in the comments section below

Comments

Client / Person  
contacted

Date contacted

Contacted by

Response

**STAT Analysis Corporation**

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766

Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-0

November 09, 2010

Tetra Tech EM Inc.  
1 South Wacker Drive  
37th Floor  
Chicago, IL 60606  
Telephone: (312) 946-6474  
Fax: (312) 938-0118

RE: 103DG9021.053.05, OMC, Waukegan

STAT Project No: 10110156

Dear Tom Hahne:

STAT Analysis received 5 samples for the referenced project on 11/4/2010 9:30:00 AM. The analytical results are presented in the following report.

All analyses were performed in accordance with the requirements of 35 IAC Part 186 / NELAC standards. Analyses were performed in accordance with methods as referenced on the analytical report. Those analytical results expressed on a dry weight basis are also noted on the analytical report.

All analyses were performed within established holding time criteria, and all Quality Control criteria met EPA or laboratory specifications except when noted in the Case Narrative or Analytical Report. If required, an estimate of uncertainty for the analyses can be provided. A listing of accredited methods/parameters can also be provided.

Thank you for the opportunity to serve you and I look forward to working with you in the future. If you have any questions regarding the enclosed materials, please contact me at (312) 733-0551.

Sincerely,



Catia Giannini  
Project Manager

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---

**Client:** Tetra Tech EM Inc.**Project:** 103DG9021.053.05, OMC, Waukegan**Lab Order:** 10110156**Work Order Sample Summary**

---

<b>Lab Sample ID</b>	<b>Client Sample ID</b>	<b>Tag Number</b>	<b>Collection Date</b>	<b>Date Received</b>
10110156-001A	AS-N1		11/3/2010	11/4/2010
10110156-002A	AS-E1		11/3/2010	11/4/2010
10110156-003A	AS-W1		11/3/2010	11/4/2010
10110156-004A	AS-S1		11/3/2010	11/4/2010
10110156-005A	AS-S1D		11/3/2010	11/4/2010

**STAT Analysis Corporation**

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766

Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-

Date Reported: November 09, 2010

Date Printed: November 09, 2010

<b>Client:</b>	Tetra Tech EM Inc.					
<b>Project:</b>	103DG9021.053.05, OMC, Waukegan			<b>Lab Order:</b>	10110156	
<b>Lab ID:</b>	10110156-001			<b>Collection Date:</b>	11/3/2010	
<b>Client Sample ID</b>	AS-N1			<b>Matrix:</b>	Air	
<b>Analyses</b>	<b>Result</b>	<b>RL</b>	<b>Qualifier</b>	<b>Units</b>	<b>DF</b>	<b>Date Analyzed</b>
<b>Particulate Matter in Air</b>	<b>40 CFR PART 50 APP. J</b>			<b>Prep Date:</b>	<b>11/4/2010</b>	<b>Analyst: JP</b>
Particulate Matter (as PM10)	17100	100		µg/filter	1	11/4/2010
<b>Lab ID:</b>	10110156-002			<b>Collection Date:</b>	11/3/2010	
<b>Client Sample ID</b>	AS-E1			<b>Matrix:</b>	Air	
<b>Analyses</b>	<b>Result</b>	<b>RL</b>	<b>Qualifier</b>	<b>Units</b>	<b>DF</b>	<b>Date Analyzed</b>
<b>Particulate Matter in Air</b>	<b>40 CFR PART 50 APP. J</b>			<b>Prep Date:</b>	<b>11/4/2010</b>	<b>Analyst: JP</b>
Particulate Matter (as PM10)	23200	100		µg/filter	1	11/4/2010
<b>Lab ID:</b>	10110156-003			<b>Collection Date:</b>	11/3/2010	
<b>Client Sample ID</b>	AS-W1			<b>Matrix:</b>	Air	
<b>Analyses</b>	<b>Result</b>	<b>RL</b>	<b>Qualifier</b>	<b>Units</b>	<b>DF</b>	<b>Date Analyzed</b>
<b>Particulate Matter in Air</b>	<b>40 CFR PART 50 APP. J</b>			<b>Prep Date:</b>	<b>11/4/2010</b>	<b>Analyst: JP</b>
Particulate Matter (as PM10)	24900	100		µg/filter	1	11/4/2010
<b>Lab ID:</b>	10110156-004			<b>Collection Date:</b>	11/3/2010	
<b>Client Sample ID</b>	AS-S1			<b>Matrix:</b>	Air	
<b>Analyses</b>	<b>Result</b>	<b>RL</b>	<b>Qualifier</b>	<b>Units</b>	<b>DF</b>	<b>Date Analyzed</b>
<b>Particulate Matter in Air</b>	<b>40 CFR PART 50 APP. J</b>			<b>Prep Date:</b>	<b>11/4/2010</b>	<b>Analyst: JP</b>
Particulate Matter (as PM10)	31600	100		µg/filter	1	11/4/2010
<b>Lab ID:</b>	10110156-005			<b>Collection Date:</b>	11/3/2010	
<b>Client Sample ID</b>	AS-S1D			<b>Matrix:</b>	Air	
<b>Analyses</b>	<b>Result</b>	<b>RL</b>	<b>Qualifier</b>	<b>Units</b>	<b>DF</b>	<b>Date Analyzed</b>
<b>Particulate Matter in Air</b>	<b>40 CFR PART 50 APP. J</b>			<b>Prep Date:</b>	<b>11/4/2010</b>	<b>Analyst: JP</b>
Particulate Matter (as PM10)	34600	100		µg/filter	1	11/4/2010

**Qualifiers:**  
ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
HT - Sample received past holding time  
\* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis  
S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range  
H - Holding time exceeded



N<sup>o</sup>: 834330 Page :        of       

Page 4 of 5

**Sample Receipt Checklist**

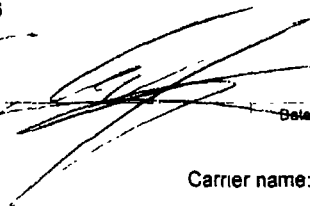
Client Name **TETRA CHICAGO**

Date and Time Received: **11/4/2010 9:30:00 AM**

Work Order Number **10110156**

Received by: **CDF**

Checklist completed by

Signature  Date **11/4/10**

Reviewed by:

Initials **CD** Date **11/5/10**

Matrix:

Carrier name: **FedEx**

Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Custody seals intact on shipping container/cooler?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Custody seals intact on sample bottles?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody agrees with sample labels/containers?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Samples in proper container/bottle?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Container or Temp Blank temperature in compliance?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Temperature Ambient °C
Water - VOA vials have zero headspace?	No VOA vials submitted <input checked="" type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Water - Samples pH checked?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Checked by: ..
Water - Samples properly preserved?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	pH Adjusted? ..

Any No response must be detailed in the comments section below

Comments

Client / Person  
contacted

Date contacted

Contacted by

Response:



**STAT Analysis Corporation**

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766

Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-0

November 16, 2010

Tetra Tech EM Inc.  
1 South Wacker Drive  
37th Floor  
Chicago, IL 60606  
Telephone: (312) 946-6474  
Fax: (312) 938-0118

RE: 103DG9021053.05, OMC, Waukegan

STAT Project No: 10110385

Dear Tom Hahne:

STAT Analysis received 5 samples for the referenced project on 11/12/2010 9:30:00 AM. The analytical results are presented in the following report.

All analyses were performed in accordance with the requirements of 35 IAC Part 186 / NELAC standards. Analyses were performed in accordance with methods as referenced on the analytical report. Those analytical results expressed on a dry weight basis are also noted on the analytical report.

All analyses were performed within established holding time criteria, and all Quality Control criteria met EPA or laboratory specifications except when noted in the Case Narrative or Analytical Report. If required, an estimate of uncertainty for the analyses can be provided. A listing of accredited methods/parameters can also be provided.

Thank you for the opportunity to serve you and I look forward to working with you in the future. If you have any questions regarding the enclosed materials, please contact me at (312) 733-0551.

Sincerely,



Catia Giannini  
Project Manager

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---

**Client:** Tetra Tech EM Inc.  
**Project:** 103DG9021053.05, OMC, Waukegan  
**Lab Order:** 10110385

---

**Work Order Sample Summary**

---

<b>Lab Sample ID</b>	<b>Client Sample ID</b>	<b>Tag Number</b>	<b>Collection Date</b>	<b>Date Received</b>
10110385-001A	AS-N1 11-08-10		11/8/2010	11/12/2010
10110385-002A	AS-W1 11-08-10		11/8/2010	11/12/2010
10110385-003A	AS-E1 11-08-10		11/8/2010	11/12/2010
10110385-004A	AS-S1 11-08-10		11/8/2010	11/12/2010
10110385-005A	AS-S1D 11-08-10		11/8/2010	11/12/2010

---



**STAT Analysis Corporation**

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Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-

Date Reported: November 16, 2010

Date Printed: November 16, 2010

<b>Client:</b>	Tetra Tech EM Inc.					
<b>Project:</b>	103DG9021053.05, OMC, Waukegan				<b>Lab Order:</b>	10110385
<b>Lab ID:</b>	10110385-001		<b>Collection Date:</b>	11/8/2010		
<b>Client Sample ID</b>	AS-N1 11-08-10		<b>Matrix:</b>	Filter		
<b>Analyses</b>	<b>Result</b>	<b>RL</b>	<b>Qualifier</b>	<b>Units</b>	<b>DF</b>	<b>Date Analyzed</b>
<b>Particulate Matter in Air</b>	<b>40 CFR PART 50 APP. J</b>		<b>Prep Date:</b>	<b>11/12/2010 Analyst: JP</b>		
Particulate Matter (as PM10)	54200	100		µg/filter	1	11/12/2010
<b>Lab ID:</b>	10110385-002		<b>Collection Date:</b>	11/8/2010		
<b>Client Sample ID</b>	AS-W1 11-08-10		<b>Matrix:</b>	Filter		
<b>Analyses</b>	<b>Result</b>	<b>RL</b>	<b>Qualifier</b>	<b>Units</b>	<b>DF</b>	<b>Date Analyzed</b>
<b>Particulate Matter in Air</b>	<b>40 CFR PART 50 APP. J</b>		<b>Prep Date:</b>	<b>11/12/2010 Analyst: JP</b>		
Particulate Matter (as PM10)	5400	100		µg/filter	1	11/12/2010
<b>Lab ID:</b>	10110385-003		<b>Collection Date:</b>	11/8/2010		
<b>Client Sample ID</b>	AS-E1 11-08-10		<b>Matrix:</b>	Filter		
<b>Analyses</b>	<b>Result</b>	<b>RL</b>	<b>Qualifier</b>	<b>Units</b>	<b>DF</b>	<b>Date Analyzed</b>
<b>Particulate Matter in Air</b>	<b>40 CFR PART 50 APP. J</b>		<b>Prep Date:</b>	<b>11/12/2010 Analyst: JP</b>		
Particulate Matter (as PM10)	57800	100		µg/filter	1	11/12/2010
<b>Lab ID:</b>	10110385-004		<b>Collection Date:</b>	11/8/2010		
<b>Client Sample ID</b>	AS-S1 11-08-10		<b>Matrix:</b>	Filter		
<b>Analyses</b>	<b>Result</b>	<b>RL</b>	<b>Qualifier</b>	<b>Units</b>	<b>DF</b>	<b>Date Analyzed</b>
<b>Particulate Matter in Air</b>	<b>40 CFR PART 50 APP. J</b>		<b>Prep Date:</b>	<b>11/12/2010 Analyst: JP</b>		
Particulate Matter (as PM10)	72600	100		µg/filter	1	11/12/2010
<b>Lab ID:</b>	10110385-005		<b>Collection Date:</b>	11/8/2010		
<b>Client Sample ID</b>	AS-S1D 11-08-10		<b>Matrix:</b>	Filter		
<b>Analyses</b>	<b>Result</b>	<b>RL</b>	<b>Qualifier</b>	<b>Units</b>	<b>DF</b>	<b>Date Analyzed</b>
<b>Particulate Matter in Air</b>	<b>40 CFR PART 50 APP. J</b>		<b>Prep Date:</b>	<b>11/12/2010 Analyst: JP</b>		
Particulate Matter (as PM10)	74100	100		µg/filter	1	11/12/2010

**Qualifiers:**  
ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
HT - Sample received past holding time  
\* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis  
S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range  
H - Holding time exceeded

Nº: 834329

Page : of

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**Sample Receipt Checklist**

Client Name **TETRA CHICAGO**

Date and Time Received: **11/12/2010 9:30:00 AM**

Work Order Number **10110385**

Received by: **CIG**

Checklist completed by:  **11/12/10**  
Signature Date

Reviewed by: **KE** **11/12/10**  
Initials Date

Matrix

Carrier name **FedEx**

Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Custody seals intact on shipping container/cooler?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Custody seals intact on sample bottles?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody agrees with sample labels/containers?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Samples in proper container/bottle?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Container or Temp Blank temperature in compliance?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Temperature Ambient °C
Water - VOA vials have zero headspace?	No VOA vials submitted <input checked="" type="checkbox"/>	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
Water - Samples pH checked?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Checked by
Water - Samples properly preserved?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	pH Adjusted?

Any No response must be detailed in the comments section below

Comments:

Client / Person  
contacted:

Date contacted:

Contacted by:

Response:

**STAT Analysis Corporation**

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766

Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-0

November 29, 2010

Tetra Tech EM Inc.  
1 South Wacker Drive  
37th Floor  
Chicago, IL 60606  
Telephone: (312) 856-8700  
Fax: (312) 938-0118

RE: 103DG9021-053-05, OMC, Waukegan

STAT Project No: 10110686

Dear Carol Nissen:

STAT Analysis received 5 samples for the referenced project on 11/22/2010 9:30:00 AM. The analytical results are presented in the following report.

All analyses were performed in accordance with the requirements of 35 IAC Part 186 / NELAC standards. Analyses were performed in accordance with methods as referenced on the analytical report. Those analytical results expressed on a dry weight basis are also noted on the analytical report.

All analyses were performed within established holding time criteria, and all Quality Control criteria met EPA or laboratory specifications except when noted in the Case Narrative or Analytical Report. If required, an estimate of uncertainty for the analyses can be provided. A listing of accredited methods/parameters can also be provided.

Thank you for the opportunity to serve you and I look forward to working with you in the future. If you have any questions regarding the enclosed materials, please contact me at (312) 733-0551.

Sincerely,



Catia Giannini  
Project Manager

*The information contained in this report and any attachments is confidential information intended only for the use of the individual or entities named above. The results of this report relate only to the samples tested. If you have received this report in error, please notify us immediately by phone. This report shall not be reproduced, except in its entirety, unless written approval has been obtained from the laboratory.*



---

**Client:** Tetra Tech EM Inc.**Project:** 103DG9021-053-05, OMC, Waukegan**Lab Order:** 10110686**Work Order Sample Summary**

---

<b>Lab Sample ID</b>	<b>Client Sample ID</b>	<b>Tag Number</b>	<b>Collection Date</b>	<b>Date Received</b>
10110686-001A	AS-E1-11-18-10		11/18/2010	11/22/2010
10110686-002A	AS-N1-11-18-10		11/18/2010	11/22/2010
10110686-003A	AS-W1-11-18-10		11/18/2010	11/22/2010
10110686-004A	AS-S1-11-18-10		11/18/2010	11/22/2010
10110686-005A	AS-S1D-11-18-10		11/18/2010	11/22/2010

---

**CLIENT:** Tetra Tech EM Inc.  
**Project:** 103DG9021-053-05, OMC, Waukegan  
**Lab Order:** 10110686

---

**CASE NARRATIVE**

The following filters were received damaged and/or torn: AS-W1-11-18-10 (10110686-003).



**STAT Analysis Corporation**

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766

Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-

Date Reported: November 29, 2010

Date Printed: November 29, 2010

<b>Client:</b>	Tetra Tech EM Inc.					
<b>Project:</b>	103DG9021-053-05, OMC, Waukegan			<b>Lab Order:</b>	10110686	
<b>Lab ID:</b>	10110686-001			<b>Collection Date:</b>	11/18/2010	
<b>Client Sample ID</b>	AS-E1-11-18-10			<b>Matrix:</b>	Air	
<b>Analyses</b>	<b>Result</b>	<b>RL</b>	<b>Qualifier</b>	<b>Units</b>	<b>DF</b>	<b>Date Analyzed</b>
<b>Particulate Matter in Air</b>	<b>40 CFR PART 50 APP. J</b>			<b>Prep Date:</b>	<b>11/22/2010</b>	<b>Analyst: JP</b>
Particulate Matter (as PM10)	59800	100		µg/filter	1	11/24/2010
<b>Lab ID:</b>	10110686-002			<b>Collection Date:</b>	11/18/2010	
<b>Client Sample ID</b>	AS-N1-11-18-10			<b>Matrix:</b>	Air	
<b>Analyses</b>	<b>Result</b>	<b>RL</b>	<b>Qualifier</b>	<b>Units</b>	<b>DF</b>	<b>Date Analyzed</b>
<b>Particulate Matter in Air</b>	<b>40 CFR PART 50 APP. J</b>			<b>Prep Date:</b>	<b>11/22/2010</b>	<b>Analyst: JP</b>
Particulate Matter (as PM10)	24400	100		µg/filter	1	11/24/2010
<b>Lab ID:</b>	10110686-003			<b>Collection Date:</b>	11/18/2010	
<b>Client Sample ID</b>	AS-W1-11-18-10			<b>Matrix:</b>	Air	
<b>Analyses</b>	<b>Result</b>	<b>RL</b>	<b>Qualifier</b>	<b>Units</b>	<b>DF</b>	<b>Date Analyzed</b>
<b>Particulate Matter in Air</b>	<b>40 CFR PART 50 APP. J</b>			<b>Prep Date:</b>	<b>11/22/2010</b>	<b>Analyst: JP</b>
Particulate Matter (as PM10)	180000	100		µg/filter	1	11/24/2010
<b>Lab ID:</b>	10110686-004			<b>Collection Date:</b>	11/18/2010	
<b>Client Sample ID</b>	AS-S1-11-18-10			<b>Matrix:</b>	Air	
<b>Analyses</b>	<b>Result</b>	<b>RL</b>	<b>Qualifier</b>	<b>Units</b>	<b>DF</b>	<b>Date Analyzed</b>
<b>Particulate Matter in Air</b>	<b>40 CFR PART 50 APP. J</b>			<b>Prep Date:</b>	<b>11/22/2010</b>	<b>Analyst: JP</b>
Particulate Matter (as PM10)	48700	100		µg/filter	1	11/24/2010
<b>Lab ID:</b>	10110686-005			<b>Collection Date:</b>	11/18/2010	
<b>Client Sample ID</b>	AS-S1D-11-18-10			<b>Matrix:</b>	Air	
<b>Analyses</b>	<b>Result</b>	<b>RL</b>	<b>Qualifier</b>	<b>Units</b>	<b>DF</b>	<b>Date Analyzed</b>
<b>Particulate Matter in Air</b>	<b>40 CFR PART 50 APP. J</b>			<b>Prep Date:</b>	<b>11/22/2010</b>	<b>Analyst: JP</b>
Particulate Matter (as PM10)	50700	100		µg/filter	1	11/24/2010

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
HT - Sample received past holding time  
\* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis  
S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range  
H - Holding time exceeded

## CHAIN OF CUSTODY RECORD

Nº: 834328

Page : \_\_\_\_\_ of \_\_\_\_\_

[illegible]



**Sample Receipt Checklist**

Client Name **TETRA CHICAGO**

Date and Time Received: **11/22/2010 9:30:00 AM**

Work Order Number **10110686**

Received by: **CDF**

Checklist completed by

Reviewed by:

Signature

Date

Initials

Date

Matrix

Carrier name: **FedEx**

Shipping container/cooler in good condition?

Yes ☒

No ☐

Not Present ☐

Custody seals intact on shipping container/cooler?

Yes ☐

No ☐

Not Present ☒

Custody seals intact on sample bottles?

Yes ☐

No ☐

Not Present ☒

Chain of custody present?

Yes ☒

No ☐

Chain of custody signed when relinquished and received?

Yes ☒

No ☐

Chain of custody agrees with sample labels/containers?

Yes ☐

No ☒

Samples in proper container/bottle?

Yes ☒

No ☐

Sample containers intact?

Yes ☒

No ☐

Sufficient sample volume for indicated test?

Yes ☒

No ☐

All samples received within holding time?

Yes ☒

No ☐

Container or Temp Blank temperature in compliance?

Yes ☒

No ☐

Temperature Ambient °C

Water - VOA vials have zero headspace?

No VOA vials submitted ☐

Yes ☒

No ☒

Water - Samples pH checked?

Yes ☒

No ☐

Checked by

Water - Samples properly preserved?

Yes ☒

No ☐

pH Adjusted?

Any No response must be detailed in the comments section below

Comments

Client / Person  
contacted

Date contacted:

Contacted by:

Response

**STAT Analysis Corporation**

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766

Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-

February 15, 2011

Tetra Tech EM Inc.  
1 South Wacker Drive  
37th Floor  
Chicago, IL 60606  
Telephone: (312) 856-8700  
Fax: (312) 938-0118

RE: 103DG9021-053.05, OMC, Waukegan

STAT Project No: 11020175

Dear Carol Nissen:

STAT Analysis received 5 samples for the referenced project on 2/11/2011 2:00:00 PM. The analytical results are presented in the following report.

All analyses were performed in accordance with the requirements of 35 IAC Part 186 / NELAC standards. Analyses were performed in accordance with methods as referenced on the analytical report. Those analytical results expressed on a dry weight basis are also noted on the analytical report.

All analyses were performed within established holding time criteria, and all Quality Control criteria met EPA or laboratory specifications except when noted in the Case Narrative or Analytical Report. If required, an estimate of uncertainty for the analyses can be provided. A listing of accredited methods/parameters can also be provided.

Thank you for the opportunity to serve you and I look forward to working with you in the future. If you have any questions regarding the enclosed materials, please contact me at (312) 733-0551.

Sincerely,



Catia Giannini  
Project Manager

*The information contained in this report and any attachments is confidential information intended only for the use of the individual or entities named above. The results of this report relate only to the samples tested. If you have received this report in error, please notify us immediately by phone. This report shall not be reproduced, except in its entirety, unless written approval has been obtained from the laboratory. This analytical report shall become property of the Customer upon payment in full. Otherwise, STAT will be under no obligation to support, defend or discuss the analytical report.*



---

**Client:** Tetra Tech EM Inc.  
**Project:** 103DG9021-053.05, OMC, Waukegan  
**Lab Order:** 11020175

---

**Work Order Sample Summary**

---

<b>Lab Sample ID</b>	<b>Client Sample ID</b>	<b>Tag Number</b>	<b>Collection Date</b>	<b>Date Received</b>
11020175-001A	AS-S1		2/9/2011	2/11/2011
11020175-002A	AS-S1D		2/9/2011	2/11/2011
11020175-003A	AS-N1		2/9/2011	2/11/2011
11020175-004A	AS-E1		2/9/2011	2/11/2011
11020175-005A	AS-W1		2/9/2011	2/11/2011

---

**STAT Analysis Corporation**

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766

Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-

Date Reported: February 15, 2011

Date Printed: February 15, 2011

Client: Tetra Tech EM Inc.

Project: 103DG9021-053.05, OMC, Waukegan

Lab Order: 11020175

Lab ID: 11020175-001

Collection Date: 2/9/2011

Client Sample ID AS-S1

Matrix: Air

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
----------	--------	----	-----------	-------	----	---------------

Particulate Matter in Air	40 CFR PART 50 APP. J			Prep Date: 2/11/2011	Analyst: RW	
Particulate Matter (as PM10)	30300	100		µg/filter 1		2/14/2011

Lab ID: 11020175-002

Collection Date: 2/9/2011

Client Sample ID AS-S1D

Matrix: Air

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
----------	--------	----	-----------	-------	----	---------------

Particulate Matter in Air	40 CFR PART 50 APP. J			Prep Date: 2/11/2011	Analyst: RW	
Particulate Matter (as PM10)	32400	100		µg/filter 1		2/14/2011

Lab ID: 11020175-003

Collection Date: 2/9/2011

Client Sample ID AS-N1

Matrix: Air

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
----------	--------	----	-----------	-------	----	---------------

Particulate Matter in Air	40 CFR PART 50 APP. J			Prep Date: 2/11/2011	Analyst: RW	
Particulate Matter (as PM10)	22900	100		µg/filter 1		2/14/2011

Lab ID: 11020175-004

Collection Date: 2/9/2011

Client Sample ID AS-E1

Matrix: Air

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
----------	--------	----	-----------	-------	----	---------------

Particulate Matter in Air	40 CFR PART 50 APP. J			Prep Date: 2/11/2011	Analyst: RW	
Particulate Matter (as PM10)	21200	100		µg/filter 1		2/14/2011

Lab ID: 11020175-005

Collection Date: 2/9/2011

Client Sample ID AS-W1

Matrix: Air

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
----------	--------	----	-----------	-------	----	---------------

Particulate Matter in Air	40 CFR PART 50 APP. J			Prep Date: 2/11/2011	Analyst: RW	
Particulate Matter (as PM10)	78000	100		µg/filter 1		2/14/2011

**Qualifiers:**  
ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
HT - Sample received past holding time  
\* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis  
S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range  
H - Holding time exceeded



### CHAIN OF CUSTODY RECORD

N<sup>o</sup>: 834318 Page :        of       

[illegible]

**Sample Receipt Checklist**

Client Name **TETRA CHICAGO**

Date and Time Received

2/11/2011 2 00:00 PM

Work Order Number **11020175**

Received by

CDF

Checklist completed by

Signature

Date

2/11/11

Reviewed by

Initials

SL

2/14/11

Matrix

Carrier name.

FedEx

Shipping container/cooler in good condition?

Yes: ☒

No ☐

Not Present ☐

Custody seals intact on shipping container/cooler?

Yes: ☐

No ☐

Not Present ☒

Custody seals intact on sample bottles?

Yes: ☐

No ☐

Not Present ☒

Chain of custody present?

Yes: ☒

No ☐

Chain of custody signed when relinquished and received?

Yes: ☒

No ☐

Chain of custody agrees with sample labels/containers?

Yes: ☒

No ☐

Samples in proper container/bottle?

Yes: ☒

No ☐

Sample containers intact?

Yes: ☒

No ☐

Sufficient sample volume for indicated test?

Yes: ☒

No ☐

All samples received within holding time?

Yes: ☒

No ☐

Container or Temp Blank temperature in compliance?

Yes: ☒

No ☐

Temperature Ambient °C

Water - VOA vials have zero headspace?

No VOA vials submitted ☐

Yes ☐

No ☐

Water - Samples pH checked?

Yes: ☐

No ☐

Checked by.

Water - Samples properly preserved?

Yes: ☐

No ☐

pH Adjusted?

Any No response must be detailed in the comments section below

Comments:

Client / Person  
Contacted

Date contacted.

Contacted by.

Response.



**STAT Analysis Corporation**

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766

Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-

March 02, 2011

Tetra Tech EM Inc.  
1 South Wacker Drive  
37th Floor  
Chicago, IL 60606  
Telephone: (312) 946-6474  
Fax: (312) 938-0118

RE: 103DG9021.053.07, OMC, Waukegan

STAT Project No: 11020477

Dear Tom Hahne:

STAT Analysis received 2 samples for the referenced project on 2/25/2011 11:30:00 AM. The analytical results are presented in the following report.

All analyses were performed in accordance with the requirements of 35 IAC Part 186 / NELAC standards. Analyses were performed in accordance with methods as referenced on the analytical report. Those analytical results expressed on a dry weight basis are also noted on the analytical report.

All analyses were performed within established holding time criteria, and all Quality Control criteria met EPA or laboratory specifications except when noted in the Case Narrative or Analytical Report. If required, an estimate of uncertainty for the analyses can be provided. A listing of accredited methods/parameters can also be provided.

Thank you for the opportunity to serve you and I look forward to working with you in the future. If you have any questions regarding the enclosed materials, please contact me at (312) 733-0551.

Sincerely,



Catia Giannini  
Project Manager

*The information contained in this report and any attachments is confidential information intended only for the use of the individual or entities named above. The results of this report relate only to the samples tested. If you have received this report in error, please notify us immediately by phone. This report shall not be reproduced, except in its entirety, unless written approval has been obtained from the laboratory. This analytical report shall become property of the Customer upon payment in full. Otherwise, STAT will be under no obligation to support, defend or discuss the analytical report.*

---

**Client:** Tetra Tech EM Inc.**Project:** 103DG9021.053.07, OMC, Waukegan**Lab Order:** 11020477**Work Order Sample Summary**

---

<b>Lab Sample ID</b>	<b>Client Sample ID</b>	<b>Tag Number</b>	<b>Collection Date</b>	<b>Date Received</b>
11020477-001A	L6-UST		2/24/2011 2:00:00 PM	2/25/2011
11020477-001B	L6-UST		2/24/2011 2:00:00 PM	2/25/2011
11020477-001C	L6-UST		2/24/2011 2:00:00 PM	2/25/2011
11020477-002A	ODC-Tunnel		2/24/2011 1:30:00 PM	2/25/2011
11020477-002B	ODC-Tunnel		2/24/2011 1:30:00 PM	2/25/2011
11020477-002C	ODC-Tunnel		2/24/2011 1:30:00 PM	2/25/2011



**STAT Analysis Corporation**

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766

Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-

Date Reported: March 02, 2011

Date Printed: March 02, 2011

<b>Client:</b>	Tetra Tech EM Inc.	<b>Client Sample ID:</b>	L6-UST
<b>Lab Order:</b>	11020477	<b>Collection Date:</b>	2/24/2011 2:00:00 PM
<b>Project:</b>	103DG9021.053.07, OMC, Waukegan	<b>Matrix:</b>	Water
<b>Lab ID:</b>	11020477-001		

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>PCBs</b>						
	<b>SW8082 (SW3510C)</b>				Prep Date: 2/28/2011	Analyst: GVC
Aroclor 1016	ND	0.0005		mg/L	1	2/28/2011
Aroclor 1221	ND	0.0005		mg/L	1	2/28/2011
Aroclor 1232	ND	0.0005		mg/L	1	2/28/2011
Aroclor 1242	0.023	0.0005		mg/L	1	2/28/2011
Aroclor 1248	ND	0.0005		mg/L	1	2/28/2011
Aroclor 1254	0.016	0.0005		mg/L	1	2/28/2011
Aroclor 1260	ND	0.0005		mg/L	1	2/28/2011
<b>TCLP Mercury</b>						
	<b>SW1311/7470A</b>				Prep Date: 2/28/2011	Analyst: LB
Mercury	ND	0.0002		mg/L	1	3/1/2011
<b>Mercury</b>						
	<b>SW7470A</b>				Prep Date: 2/28/2011	Analyst: LB
Mercury	ND	0.0002		mg/L	1	3/1/2011
<b>TCLP Metals by ICP/MS</b>						
	<b>SW1311/6020 (SW3005A)</b>				Prep Date: 2/28/2011	Analyst: JG
Arsenic	0.069	0.01		mg/L	5	2/28/2011
Barium	0.15	0.05		mg/L	5	2/28/2011
Cadmium	ND	0.005		mg/L	5	2/28/2011
Chromium	ND	0.01		mg/L	5	2/28/2011
Lead	ND	0.0075		mg/L	5	2/28/2011
Selenium	0.49	0.01		mg/L	5	2/28/2011
Silver	ND	0.01		mg/L	5	2/28/2011
<b>Metals by ICP/MS</b>						
	<b>SW6020 (SW3005A)</b>				Prep Date: 2/28/2011	Analyst: JG
Arsenic	0.082	0.004		mg/L	2	2/28/2011
Barium	4.8	0.2		mg/L	100	3/1/2011
Cadmium	0.0036	0.002		mg/L	2	2/28/2011
Chromium	0.086	0.004		mg/L	2	2/28/2011
Lead	0.11	0.003		mg/L	2	2/28/2011
Selenium	0.39	0.004		mg/L	2	2/28/2011
Silver	ND	0.004		mg/L	2	2/28/2011
<b>TCLP Semivolatile Organic Compounds</b>						
	<b>SW1311/8270C (SW3510C)</b>				Prep Date: 2/28/2011	Analyst: DM
1,4-Dichlorobenzene	ND	0.01		mg/L	1	2/28/2011
2,4-Dinitrotoluene	ND	0.01		mg/L	1	2/28/2011
Hexachlorobenzene	ND	0.01		mg/L	1	2/28/2011
Hexachlorobutadiene	ND	0.01		mg/L	1	2/28/2011
Hexachloroethane	ND	0.01		mg/L	1	2/28/2011
Nitrobenzene	ND	0.01		mg/L	1	2/28/2011
2-methylphenol	ND	0.01		mg/L	1	2/28/2011
3- & 4-Methylphenol	0.022	0.01		mg/L	1	2/28/2011

**Qualifiers:**

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

HT - Sample received past holding time

\* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

**STAT Analysis Corporation**

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766

Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-

Date Reported: March 02, 2011

Date Printed: March 02, 2011

Client: Tetra Tech EM Inc.

Lab Order: 11020477

Project: 103DG9021.053.07, OMC, Waukegan

Lab ID: 11020477-001

Client Sample ID: L6-UST

Collection Date: 2/24/2011 2:00:00 PM

Matrix: Water

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
----------	--------	----	-----------	-------	----	---------------

<b>TCLP Semivolatile Organic Compounds</b>	<b>SW1311/8270C (SW3510C)</b>	Prep Date: 2/28/2011	Analyst: DM		
Pentachlorophenol	0.068	0.05	mg/L	1	2/28/2011
Pyridine	ND	0.01	mg/L	1	2/28/2011
2,4,5-Trichlorophenol	0.016	0.01	mg/L	1	2/28/2011
2,4,6-Trichlorophenol	ND	0.01	mg/L	1	2/28/2011

<b>TCLP Volatile Organic Compounds by GC/MS</b>	<b>SW1311/8260B (SW5030B)</b>	Prep Date: 2/25/2011	Analyst: ART		
Benzene	ND	0.05	mg/L	10	2/25/2011
2-Butanone	ND	0.2	mg/L	10	2/25/2011
Carbon tetrachloride	ND	0.05	mg/L	10	2/25/2011
Chlorobenzene	ND	0.05	mg/L	10	2/25/2011
Chloroform	ND	0.05	mg/L	10	2/25/2011
1,2-Dichloroethane	ND	0.05	mg/L	10	2/25/2011
1,1-Dichloroethene	ND	0.05	mg/L	10	2/25/2011
Tetrachloroethene	ND	0.05	mg/L	10	2/25/2011
Trichloroethene	ND	0.05	mg/L	10	2/25/2011
Vinyl chloride	ND	0.05	mg/L	10	2/25/2011

<b>Cyanide, Total</b>	<b>SW9012A</b>	Prep Date: 3/1/2011	Analyst: YZ		
Cyanide	ND	0.01	mg/L	1	3/1/2011

<b>Flash Point (Open-Cup)</b>	<b>SW1010</b>	Prep Date: 2/28/2011	Analyst: RW	
Flashpoint	No flash up to 212	°F	1	2/28/2011

<b>pH</b>	<b>E150.1</b>	Prep Date: 2/25/2011	Analyst: MNG	
pH	10.8	pH units	1	2/25/2011

<b>Phenolics</b>	<b>SW9066 (SW9065)</b>	Prep Date: 2/26/2011	Analyst: BPJ		
Phenolics, Total Recoverable	4.5	0.5	mg/L	100	2/26/2011

<b>Sulfide, Reactive</b>	<b>SW7.3.4.2</b>	Prep Date: 3/1/2011	Analyst: YZ		
Reactive Sulfide	ND	10	mg/L	1	3/1/2011

<b>TOX</b>	<b>SW9020B</b>	Prep Date: 3/1/2011	Analyst: YZ		
TOX	ND	0.2	mg/L	1	3/1/2011

**Qualifiers:**

ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
HT - Sample received past holding time  
\* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis  
S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range  
H - Holding time exceeded



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Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-

Date Reported: March 02, 2011

Date Printed: March 02, 2011

Client: Tetra Tech EM Inc.

Lab Order: 11020477

Project: 103DG9021.053.07, OMC, Waukegan

Lab ID: 11020477-002

Client Sample ID: ODC-Tunnel

Collection Date: 2/24/2011 1:30:00 PM

Matrix: Water

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>PCBs</b>						
	<b>SW8082 (SW3510C)</b>				Prep Date: 2/28/2011	Analyst: GVC
Aroclor 1016	ND	0.0005		mg/L	1	2/28/2011
Aroclor 1221	ND	0.0005		mg/L	1	2/28/2011
Aroclor 1232	ND	0.0005		mg/L	1	2/28/2011
Aroclor 1242	0.36	0.005		mg/L	10	2/28/2011
Aroclor 1248	ND	0.0005		mg/L	1	2/28/2011
Aroclor 1254	0.066	0.0005		mg/L	1	2/28/2011
Aroclor 1260	ND	0.0005		mg/L	1	2/28/2011
<b>TCLP Mercury</b>						
	<b>SW1311/7470A</b>				Prep Date: 2/28/2011	Analyst: LB
Mercury	ND	0.0002		mg/L	1	3/1/2011
<b>Mercury</b>						
	<b>SW7470A</b>				Prep Date: 2/28/2011	Analyst: LB
Mercury	ND	0.0002		mg/L	1	3/1/2011
<b>TCLP Metals by ICP/MS</b>						
	<b>SW1311/6020 (SW3005A)</b>				Prep Date: 2/28/2011	Analyst: JG
Arsenic	ND	0.01		mg/L	5	2/28/2011
Barium	0.084	0.05		mg/L	5	2/28/2011
Cadmium	ND	0.005		mg/L	5	2/28/2011
Chromium	ND	0.01		mg/L	5	2/28/2011
Lead	ND	0.0075		mg/L	5	2/28/2011
Selenium	ND	0.01		mg/L	5	2/28/2011
Silver	ND	0.01		mg/L	5	2/28/2011
<b>Metals by ICP/MS</b>						
	<b>SW6020 (SW3005A)</b>				Prep Date: 2/28/2011	Analyst: JG
Arsenic	0.017	0.004		mg/L	2	2/28/2011
Barium	0.066	0.004		mg/L	2	2/28/2011
Cadmium	ND	0.002		mg/L	2	2/28/2011
Chromium	0.016	0.004		mg/L	2	2/28/2011
Lead	0.064	0.003		mg/L	2	2/28/2011
Selenium	ND	0.004		mg/L	2	2/28/2011
Silver	ND	0.004		mg/L	2	2/28/2011
<b>TCLP Semivolatile Organic Compounds</b>						
	<b>SW1311/8270C (SW3510C)</b>				Prep Date: 2/28/2011	Analyst: DM
1,4-Dichlorobenzene	ND	0.01		mg/L	1	2/28/2011
2,4-Dinitrotoluene	ND	0.01		mg/L	1	2/28/2011
Hexachlorobenzene	ND	0.01		mg/L	1	2/28/2011
Hexachlorobutadiene	ND	0.01		mg/L	1	2/28/2011
Hexachloroethane	ND	0.01		mg/L	1	2/28/2011
Nitrobenzene	ND	0.01		mg/L	1	2/28/2011
2-methylphenol	0.022	0.01		mg/L	1	2/28/2011
3- & 4-Methylphenol	2.3	0.2		mg/L	20	3/1/2011

Qualifiers:

ND - Not Detected at the Reporting Limit

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B - Analyte detected in the associated Method Blank

HT - Sample received past holding time

\* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-

Date Reported: March 02, 2011

Date Printed: March 02, 2011

<b>Client:</b>	Tetra Tech EM Inc.	<b>Client Sample ID:</b>	ODC-Tunnel
<b>Lab Order:</b>	11020477	<b>Collection Date:</b>	2/24/2011 1:30:00 PM
<b>Project:</b>	103DG9021.053.07, OMC, Waukegan	<b>Matrix:</b>	Water
<b>Lab ID:</b>	11020477-002		

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>TCLP Semivolatile Organic Compounds</b>						
	<b>SW1311/8270C (SW3510C)</b>		Prep Date: 2/28/2011		Analyst: DM	
Pentachlorophenol	ND	0.05		mg/L	1	2/28/2011
Pyridine	ND	0.01		mg/L	1	2/28/2011
2,4,5-Trichlorophenol	ND	0.01		mg/L	1	2/28/2011
2,4,6-Trichlorophenol	ND	0.01		mg/L	1	2/28/2011
<b>TCLP Volatile Organic Compounds by GC/MS</b>						
	<b>SW1311/8260B (SW5030B)</b>		Prep Date: 2/24/2011		Analyst: ART	
Benzene	ND	0.05		mg/L	10	2/25/2011
2-Butanone	ND	0.2		mg/L	10	2/25/2011
Carbon tetrachloride	ND	0.05		mg/L	10	2/25/2011
Chlorobenzene	ND	0.05		mg/L	10	2/25/2011
Chloroform	ND	0.05		mg/L	10	2/25/2011
1,2-Dichloroethane	ND	0.05		mg/L	10	2/25/2011
1,1-Dichloroethene	ND	0.05		mg/L	10	2/25/2011
Tetrachloroethene	ND	0.05		mg/L	10	2/25/2011
Trichloroethene	ND	0.05		mg/L	10	2/25/2011
Vinyl chloride	ND	0.05		mg/L	10	2/25/2011
<b>Cyanide, Total</b>						
	<b>SW9012A</b>		Prep Date: 3/1/2011		Analyst: YZ	
Cyanide	ND	0.01		mg/L	1	3/1/2011
<b>Flash Point (Open-Cup)</b>						
	<b>SW1010</b>		Prep Date: 2/28/2011		Analyst: RW	
Flashpoint	No flash up to 212			°F	1	2/28/2011
<b>pH</b>						
	<b>E150.1</b>		Prep Date: 2/25/2011		Analyst: MNG	
pH	11.5		*	pH units	1	2/25/2011
<b>Phenolics</b>						
	<b>SW9066 (SW9065)</b>		Prep Date: 2/26/2011		Analyst: BPJ	
Phenolics, Total Recoverable	4.8	0.5		mg/L	100	2/26/2011
<b>Sulfide, Reactive</b>						
	<b>SW7.3.4.2</b>		Prep Date: 3/1/2011		Analyst: YZ	
Reactive Sulfide	ND	10		mg/L	1	3/1/2011
<b>TOX</b>						
	<b>SW9020B</b>		Prep Date: 3/1/2011		Analyst: YZ	
TOX	0.23	0.2		mg/L	1	3/1/2011

**Qualifiers:**

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

HT - Sample received past holding time

\* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded



## CHAIN OF CUSTODY RECORD

Nº: 836905

Page : \_\_\_\_\_ of \_\_\_\_\_

Company: Tetra Tech

Project Number: 103 DE-4021-053.0

Project Name: CDL

Project Location: Winnipeg

Sampler(s): Carlini Nisper

Report To: Tom Hahn

Phone: \_\_\_\_\_

Fax: \_\_\_\_\_

QC Level: 1 \_\_\_\_\_ 2 \_\_\_\_\_ 3 \_\_\_\_\_ 4 \_\_\_\_\_

e-mail: \_\_\_\_\_

P.O. No.: \_\_\_\_\_

Quote No.: \_\_\_\_\_

Turn Around: \_\_\_\_\_

Results Needed: \_\_\_\_\_

am/pm: \_\_\_\_\_

Client Sample Number

Description

Date Taken

Time Taken

Matrix

Comp

Grab

Preserv

No. of Containers

16-05T

CDL - Tunnel

2/24/11

1400

LiLi

X

X

6

2/24/11

1330

LiLi

X

X

6

Remarks

Lab No.:

001

002

Relinquished by (Signature): [Signature]

Date/Time: 2/24/11 1400

Received by (Signature): [Signature]

Date/Time: 2/25/11 1130

Relinquished by (Signature): [Signature]

Date/Time: \_\_\_\_\_

Received by (Signature): [Signature]

Date/Time: \_\_\_\_\_

Relinquished by (Signature): \_\_\_\_\_

Date/Time: \_\_\_\_\_

Received by (Signature): \_\_\_\_\_

Date/Time: \_\_\_\_\_

Comments:

Preservation Code: A = None B = HNO<sub>3</sub> C = NaOH

D = H<sub>2</sub>SO<sub>4</sub> F = HCl E = S035/EnCore G = Other

Laboratory Work Order No.:

11020477

Received on Ice: Yes ☒ No ☐

Temperature: 1.8 °C

Green Sheet Project

**Sample Receipt Checklist**

Client Name TETRA CHICAGO

Date and Time Received 2/25/2011 11:30:00 AM

Work Order Number 11020477

Received by CDF

Checklist completed by.

Signature

Date

2/25/11

Reviewed by

Initials

KL

2/28/11

Date

Matrix

Carrier name: FedEx

Shipping container/cooler in good condition?

Yes ☒

No ☐

Not Present ☐

Custody seals intact on shipping container/cooler?

Yes ☐

No ☐

Not Present ☒

Custody seals intact on sample bottles?

Yes ☐

No ☐

Not Present ☒

Chain of custody present?

Yes ☒

No ☐

Chain of custody signed when relinquished and received?

Yes ☒

No ☐

Chain of custody agrees with sample labels/containers?

Yes ☒

No ☐

Samples in proper container/bottle?

Yes ☒

No ☐

Sample containers intact?

Yes ☒

No ☐

Sufficient sample volume for indicated test?

Yes ☒

No ☐

All samples received within holding time?

Yes ☒

No ☐

Container or Temp Blank temperature in compliance?

Yes ☒

No ☐

Temperature 18 °C

Water - VOA vials have zero headspace?

No VOA vials submitted ☐

Yes ☐

No ☒

Water - Samples pH checked?

Yes ☒

No ☐

Checked by: CA

Water - Samples properly preserved?

Yes ☒

No ☐

pH Adjusted? 10.0

Any No response must be detailed in the comments section below

Comments: 2 of 3 VOA Vials for Sample CB-VST Have Headspace

Client / Person contacted.

Date contacted:

Contacted by:

Response

VOA vials without headspace were used for analysis.



## Craig Chawla

**From:** Nissen, Carol [Carol.Nissen@tetrattech.com]

**dt:** Friday, February 25, 2011 1:14 PM

**To:** Craig Chawla

**Subject:** Liquid samples

Hi Craig, please run the 2 liquid samples (L6-UST and ODC trench) for the following:

pH  
flashpoint  
cyanide total  
sulfide total  
phenolics total  
total RCRA metals  
TCLP metals  
TCLP volatiles  
TCLP semi-volatiles  
% chlorine

Do a PCB if there is enough volume.

Thanks,

**Carol Nissen, PG, PE | Environmental Engineer**

Cell: 312.201.7411 | Main: 312.201.7700 | Fax: 312.201.0031

[cnissen@tetrattech.com](mailto:cnissen@tetrattech.com)

TetratTech, Chicago Office

1 Jacks, Suite 2700, Floor 1 Chicago, IL 60606 • [www.tetrattech.com](http://www.tetrattech.com)

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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-

March 08, 2011

Tetra Tech EM Inc.  
1 South Wacker Drive  
37th Floor  
Chicago, IL 60606  
Telephone: (312) 946-6474  
Fax: (312) 938-0118

RE: 103DG9021-053-05, OMC, Waukegan, IL

STAT Project No: 11030079

Dear Tom Hahne:

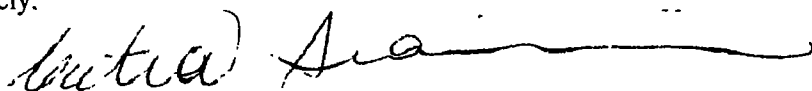
STAT Analysis received 5 samples for the referenced project on 3/3/2011 10:30:00 AM. The analytical results are presented in the following report.

All analyses were performed in accordance with the requirements of 35 IAC Part 186 / NELAC standards. Analyses were performed in accordance with methods as referenced on the analytical report. Those analytical results expressed on a dry weight basis are also noted on the analytical report.

All analyses were performed within established holding time criteria, and all Quality Control criteria met EPA or laboratory specifications except when noted in the Case Narrative or Analytical Report. If required, an estimate of uncertainty for the analyses can be provided. A listing of accredited methods/parameters can also be provided.

Thank you for the opportunity to serve you and I look forward to working with you in the future. If you have any questions regarding the enclosed materials, please contact me at (312) 733-0551.

Sincerely,



Catia Giannini  
Project Manager

*The information contained in this report and any attachments is confidential information intended only for the use of the individual or entities named above. The results of this report relate only to the samples tested. If you have received this report in error, please notify us immediately by phone. This report shall not be reproduced, except in its entirety, unless written approval has been obtained from the laboratory. This analytical report shall become property of the Customer upon payment in full. Otherwise, STAT will be under no obligation to support, defend or discuss the analytical report.*



---

**Client:** Tetra Tech EM Inc.**Project:** 103DG9021-053-05, OMC, Waukegan, IL**Lab Order:** 11030079**Work Order Sample Summary**

---

<b>Lab Sample ID</b>	<b>Client Sample ID</b>	<b>Tag Number</b>	<b>Collection Date</b>	<b>Date Received</b>
11030079-001A	AS-E1 03-01-11		3/1/2011	3/3/2011
11030079-002A	AS-N1 03-01-11		3/1/2011	3/3/2011
11030079-003A	AS-W1 03-01-11		3/1/2011	3/3/2011
11030079-004A	AS-S1 03-01-11		3/1/2011	3/3/2011
11030079-005A	AS-S1D 03-01-11		3/1/2011	3/3/2011

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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-

Date Reported: March 08, 2011

Date Printed: March 08, 2011

<b>Client:</b>	Tetra Tech EM Inc.					
<b>Project:</b>	103DG9021-053-05, OMC, Waukegan, IL				<b>Lab Order:</b>	11030079
<b>Lab ID:</b>	11030079-001		<b>Collection Date:</b> 3/1/2011			
<b>Client Sample ID</b>	AS-E1 03-01-11		<b>Matrix:</b> Air			
<b>Analyses</b>	<b>Result</b>	<b>RL</b>	<b>Qualifier</b>	<b>Units</b>	<b>DF</b>	<b>Date Analyzed</b>
<b>Particulate Matter in Air</b>	<b>40 CFR PART 50 APP. J</b>			<b>Prep Date:</b> 3/3/2011		<b>Analyst:</b> RW
Particulate Matter (as PM10)	23900	100		µg/filter	1	3/7/2011
<b>Lab ID:</b>	11030079-002		<b>Collection Date:</b> 3/1/2011			
<b>Client Sample ID</b>	AS-N1 03-01-11		<b>Matrix:</b> Air			
<b>Analyses</b>	<b>Result</b>	<b>RL</b>	<b>Qualifier</b>	<b>Units</b>	<b>DF</b>	<b>Date Analyzed</b>
<b>Particulate Matter in Air</b>	<b>40 CFR PART 50 APP. J</b>			<b>Prep Date:</b> 3/3/2011		<b>Analyst:</b> RW
Particulate Matter (as PM10)	33200	100		µg/filter	1	3/7/2011
<b>Lab ID:</b>	11030079-003		<b>Collection Date:</b> 3/1/2011			
<b>Client Sample ID</b>	AS-W1 03-01-11		<b>Matrix:</b> Air			
<b>Analyses</b>	<b>Result</b>	<b>RL</b>	<b>Qualifier</b>	<b>Units</b>	<b>DF</b>	<b>Date Analyzed</b>
<b>Particulate Matter in Air</b>	<b>40 CFR PART 50 APP. J</b>			<b>Prep Date:</b> 3/3/2011		<b>Analyst:</b> RW
Particulate Matter (as PM10)	48400	100		µg/filter	1	3/7/2011
<b>Lab ID:</b>	11030079-004		<b>Collection Date:</b> 3/1/2011			
<b>Client Sample ID</b>	AS-S1 03-01-11		<b>Matrix:</b> Air			
<b>Analyses</b>	<b>Result</b>	<b>RL</b>	<b>Qualifier</b>	<b>Units</b>	<b>DF</b>	<b>Date Analyzed</b>
<b>Particulate Matter in Air</b>	<b>40 CFR PART 50 APP. J</b>			<b>Prep Date:</b> 3/3/2011		<b>Analyst:</b> RW
Particulate Matter (as PM10)	39700	100		µg/filter	1	3/7/2011
<b>Lab ID:</b>	11030079-005		<b>Collection Date:</b> 3/1/2011			
<b>Client Sample ID</b>	AS-S1D 03-01-11		<b>Matrix:</b> Air			
<b>Analyses</b>	<b>Result</b>	<b>RL</b>	<b>Qualifier</b>	<b>Units</b>	<b>DF</b>	<b>Date Analyzed</b>
<b>Particulate Matter in Air</b>	<b>40 CFR PART 50 APP. J</b>			<b>Prep Date:</b> 3/3/2011		<b>Analyst:</b> RW
Particulate Matter (as PM10)	40500	100		µg/filter	1	3/7/2011

**Qualifiers:**  
ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
HT - Sample received past holding time  
\* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis  
S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range  
H - Holding time exceeded



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## CHAIN OF CUSTODY RECORD

N<sup>o</sup>: 834327 Page :        of       

[illegible]

**Sample Receipt Checklist**

Client Name **TETRA CHICAGO**

Date and Time Received. **3/3/2011 10:30:00 AM**

Work Order Number **11030079**

Received by. **CDF**

Checklist completed by  Date **3/5/11**

Reviewed by **CG** **3/4/11**  
Initials Date

Matrix. Carrier name **FedEx**

- |   |   |                              |   |
|---|---|------------------------------|---|
| Shipping container/cooler in good condition?            | Yes <input checked="" type="checkbox"/>         | No <input type="checkbox"/>  | Not Present <input type="checkbox"/>            |
| Custody seals intact on shipping container/cooler?      | Yes <input type="checkbox"/>                    | No <input type="checkbox"/>  | Not Present <input checked="" type="checkbox"/> |
| Custody seals intact on sample bottles?                 | Yes <input type="checkbox"/>                    | No <input type="checkbox"/>  | Not Present <input checked="" type="checkbox"/> |
| Chain of custody present?                               | Yes <input checked="" type="checkbox"/>         | No <input type="checkbox"/>  |   |
| Chain of custody signed when relinquished and received? | Yes <input checked="" type="checkbox"/>         | No <input type="checkbox"/>  |   |
| Chain of custody agrees with sample labels/containers?  | Yes <input checked="" type="checkbox"/>         | No <input type="checkbox"/>  |   |
| Samples in proper container/bottle?                     | Yes <input checked="" type="checkbox"/>         | No <input type="checkbox"/>  |   |
| Sample containers intact?                               | Yes <input checked="" type="checkbox"/>         | No <input type="checkbox"/>  |   |
| Sufficient sample volume for indicated test?            | Yes <input checked="" type="checkbox"/>         | No <input type="checkbox"/>  |   |
| All samples received within holding time?               | Yes <input checked="" type="checkbox"/>         | No <input type="checkbox"/>  |   |
| Container or Temp Blank temperature in compliance?      | Yes <input checked="" type="checkbox"/>         | No <input type="checkbox"/>  | Temperature Ambient °C                          |
| Water - VOA vials have zero headspace?                  | No VOA vials submitted <input type="checkbox"/> | Yes <input type="checkbox"/> | No <input type="checkbox"/>                     |
| Water - Samples pH checked?                             | Yes <input type="checkbox"/>                    | No <input type="checkbox"/>  | Checked by                                      |
| Water - Samples properly preserved?                     | Yes <input type="checkbox"/>                    | No <input type="checkbox"/>  | pH Adjusted?                                    |

Any No response must be detailed in the comments section below

Comments

Client / Person  
contacted

Date contacted

Contacted by.

Response



**STAT Analysis Corporation**

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766

Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-

March 15, 2011

Tetra Tech EM Inc.  
1 South Wacker Drive  
37th Floor  
Chicago, IL 60606  
Telephone: (312) 946-6474  
Fax: (312) 938-0118

RE: 103DG9021.053.05, OMC, Waukegan

STAT Project No: 11030344

Dear Tom Hahne:

STAT Analysis received 1 sample for the referenced project on 3/15/2011 1:05:00 PM. The analytical results are presented in the following report.

All analyses were performed in accordance with the requirements of 35 IAC Part 186 / NELAC standards. Analyses were performed in accordance with methods as referenced on the analytical report. Those analytical results expressed on a dry weight basis are also noted on the analytical report.

All analyses were performed within established holding time criteria, and all Quality Control criteria met EPA or laboratory specifications except when noted in the Case Narrative or Analytical Report. If required, an estimate of uncertainty for the analyses can be provided. A listing of accredited methods/parameters can also be provided.

Thank you for the opportunity to serve you and I look forward to working with you in the future. If you have any questions regarding the enclosed materials, please contact me at (312) 733-0551.

Sincerely,



Katelin Lewis  
Project Manager

*The information contained in this report and any attachments is confidential information intended only for the use of the individual or entities named above. The results of this report relate only to the samples tested. If you have received this report in error, please notify us immediately by phone. This report shall not be reproduced, except in its entirety, unless written approval has been obtained from the laboratory. This analytical report shall become property of the Customer upon payment in full. Otherwise, STAT will be under no obligation to support, defend or discuss the analytical report.*

---

**Client:** Tetra Tech EM Inc.**Project:** 103DG9021.053.05, OMC, Waukegan**Lab Order:** 11030344**Work Order Sample Summary**

---

<b>Lab Sample ID</b>	<b>Client Sample ID</b>	<b>Tag Number</b>	<b>Collection Date</b>	<b>Date Received</b>
11030344-001A	Trench Effluent		3/15/2011 8:50:00 AM	3/15/2011

---



**STAT Analysis Corporation**

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766

Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Report Date: March 15, 2011

Print Date: March 15, 2011

<b>Client:</b>	Tetra Tech EM Inc.	<b>Client Sample ID:</b>	Trench Effluent
<b>Lab Order:</b>	11030344	<b>Tag Number:</b>	
<b>Project:</b>	103DG9021.053.05, OMC, Waukegan	<b>Collection Date:</b>	3/15/2011 8:50:00 AM
<b>Lab ID:</b>	11030344-001A	<b>Matrix:</b>	Water

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>PCBs</b>		<b>SW8082 (SW3510C)</b>				<b>Prep Date: 3/15/2011 Analyst: OES</b>
Aroclor 1016	ND	0.0005		mg/L	1	3/15/2011
Aroclor 1221	ND	0.0005		mg/L	1	3/15/2011
Aroclor 1232	ND	0.0005		mg/L	1	3/15/2011
Aroclor 1242	ND	0.0005		mg/L	1	3/15/2011
Aroclor 1248	ND	0.0005		mg/L	1	3/15/2011
Aroclor 1254	ND	0.0005		mg/L	1	3/15/2011
Aroclor 1260	ND	0.0005		mg/L	1	3/15/2011

<b>Qualifiers:</b>	ND - Not Detected at the Reporting Limit	RL - Reporting / Quantitation Limit for the analysis
	J - Analyte detected below quantitation limits	S - Spike Recovery outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	R - RPD outside accepted recovery limits
	HT - Sample received past holding time	E - Value above quantitation range
	* - Non-accredited parameter	H - Holding time exceeded

Nº: 834319

Page : \_\_\_\_\_ of \_\_\_\_\_

Page 4 of 5



**Sample Receipt Checklist**

Client Name **TETRA CHICAGO**

Date and Time Received: **3/15/2011 1:05:00 PM**

Work Order Number **11030344**

Received by **CDF**

Checklist completed by

Signature

Date

**3/15/11**

Reviewed by

Initials

**KL**

**3/15/11**

Date

Matrix

Carrier name: **STAT Analysis**

Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Custody seals intact on shipping container/cooler?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Custody seals intact on sample bottles?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody agrees with sample labels/containers?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Samples in proper container/bottle?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Container or Temp Blank temperature in compliance?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Temperature <b>5.6 °C</b>
Water - VOA vials have zero headspace?	No VOA vials submitted <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Water - Samples pH checked?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Checked by
Water - Samples properly preserved?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	pH Adjusted?

Any No response must be detailed in the comments section below.

Comments

Client / Person  
contacted

Date contacted.

Contacted by.

Response.

**STAT Analysis Corporation**

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766

Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-

March 16, 2011

Tetra Tech EM Inc.  
1 South Wacker Drive  
37th Floor  
Chicago, IL 60606  
Telephone: (312) 946-6474  
Fax: (312) 938-0118

RE: 103DG9021-053.05, OMC, Waukegan

STAT Project No: 11030361

Dear Tom Hahne:

STAT Analysis received 1 sample for the referenced project on 3/16/2011 10:00:00 AM. The analytical results are presented in the following report.

All analyses were performed in accordance with the requirements of 35 IAC Part 186 / NELAC standards. Analyses were performed in accordance with methods as referenced on the analytical report. Those analytical results expressed on a dry weight basis are also noted on the analytical report.

All analyses were performed within established holding time criteria, and all Quality Control criteria met EPA or laboratory specifications except when noted in the Case Narrative or Analytical Report. If required, an estimate of uncertainty for the analyses can be provided. A listing of accredited methods/parameters can also be provided.

Thank you for the opportunity to serve you and I look forward to working with you in the future. If you have any questions regarding the enclosed materials, please contact me at (312) 733-0551.

Sincerely,



Katelin Lewis

Project Manager

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---

**Client:** Tetra Tech EM Inc.  
**Project:** 103DG9021-053.05, OMC, Waukegan  
**Lab Order:** 11030361

---

**Work Order Sample Summary**

---

<b>Lab Sample ID</b>	<b>Client Sample ID</b>	<b>Tag Number</b>	<b>Collection Date</b>	<b>Date Received</b>
11030361-001A	Trench-Effluent-PM		3/15/2011 2:30:00 PM	3/16/2011

---

**STAT Analysis Corporation**

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766

Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Report Date: March 16, 2011

Print Date: March 16, 2011

<b>Client:</b>	Tetra Tech EM Inc.	<b>Client Sample ID:</b>	Trench-Effluent-PM
<b>Lab Order:</b>	11030361	<b>Tag Number:</b>	
<b>Project:</b>	103DG9021-053.05, OMC, Waukegan	<b>Collection Date:</b>	3/15/2011 2:30:00 PM
<b>Lab ID:</b>	11030361-001A	<b>Matrix:</b>	Water

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>PCBs</b>		<b>SW8082 (SW3510C)</b>				
					Prep Date: 3/16/2011	Analyst: GVC
Aroclor 1016	ND	0.0005		mg/L	1	3/16/2011
Aroclor 1221	ND	0.0005		mg/L	1	3/16/2011
Aroclor 1232	ND	0.0005		mg/L	1	3/16/2011
Aroclor 1242	ND	0.0005		mg/L	1	3/16/2011
Aroclor 1248	ND	0.0005		mg/L	1	3/16/2011
Aroclor 1254	ND	0.0005		mg/L	1	3/16/2011
Aroclor 1260	ND	0.0005		mg/L	1	3/16/2011

**Qualifiers:**

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

HT - Sample received past holding time

\* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded



## Page : of

Page 4 of 5

**Sample Receipt Checklist**

Client Name **TETRA CHICAGO**

Date and Time Received: **3/16/2011 10:00:00 AM**

Work Order Number **11030361**

Received by: **CDF**

Checklist completed by: \_\_\_\_\_

Signature

Date

**3/16/11**

Reviewed by: **KL**

Initials

Date

**3/16/11**

Matrix: \_\_\_\_\_

Carrier name: **FedEx**

Shipping container/cooler in good condition?

Yes ☒

No ☐

Not Present ☐

Custody seals intact on shipping container/cooler?

Yes ☐

No ☐

Not Present ☒

Custody seals intact on sample bottles?

Yes ☐

No ☐

Not Present ☒

Chain of custody present?

Yes ☒

No ☐

Chain of custody signed when relinquished and received?

Yes ☒

No ☐

Chain of custody agrees with sample labels/containers?

Yes ☒

No ☐

Samples in proper container/bottle?

Yes ☒

No ☐

Sample containers intact?

Yes ☒

No ☐

Sufficient sample volume for indicated test?

Yes ☒

No ☐

All samples received within holding time?

Yes ☒

No ☐

Container or Temp Blank temperature in compliance?

Yes ☒

No ☐

Temperature **1.6 °C**

Water - VOA vials have zero headspace?

No VOA vials submitted ☒

Yes ☒

No ☒

Water - Samples pH checked?

Yes ☒

No ☒

Checked by: \_\_\_\_\_

Water - Samples properly preserved?

Yes ☒

No ☒

pH Adjusted? \_\_\_\_\_

Any No response must be detailed in the comments section below.

Comments: \_\_\_\_\_

Client / Person

contacted: \_\_\_\_\_

Date contacted: \_\_\_\_\_

Contacted by: \_\_\_\_\_

Response: \_\_\_\_\_

**STAT** Analysis Corporation

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766

Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-

March 22, 2011

Tetra Tech EM Inc.  
1 South Wacker Drive  
37th Floor  
Chicago, IL 60606  
Telephone: (312) 946-6474  
Fax: (312) 938-0118

RE: 103DG902L053-05, OMC, Waukegan

STAT Project No: 11030347

Dear Tom Hahne:

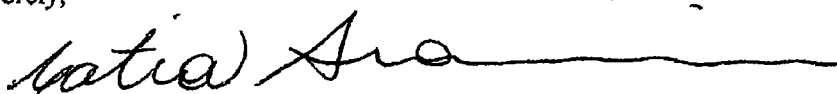
STAT Analysis received 5 samples for the referenced project on 3/15/2011 1:25:00 PM. The analytical results are presented in the following report.

All analyses were performed in accordance with the requirements of 35 IAC Part 186 / NELAC standards. Analyses were performed in accordance with methods as referenced on the analytical report. Those analytical results expressed on a dry weight basis are also noted on the analytical report.

All analyses were performed within established holding time criteria, and all Quality Control criteria met EPA or laboratory specifications except when noted in the Case Narrative or Analytical Report. If required, an estimate of uncertainty for the analyses can be provided. A listing of accredited methods/parameters can also be provided.

Thank you for the opportunity to serve you and I look forward to working with you in the future. If you have any questions regarding the enclosed materials, please contact me at (312) 733-0551.

Sincerely,



Catia Giannini

Project Manager

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---

**Client:** Tetra Tech EM Inc.  
**Project:** 103DG902L053-05, OMC, Waukegan  
**Lab Order:** 11030347

---

**Work Order Sample Summary**

---

<b>Lab Sample ID</b>	<b>Client Sample ID</b>	<b>Tag Number</b>	<b>Collection Date</b>	<b>Date Received</b>
11030347-001A	AS-S1-03-10-11		3/10/2011	3/15/2011
11030347-002A	AS-S1D-03-10-11		3/10/2011	3/15/2011
11030347-003A	AS-E1-03-10-11		3/10/2011	3/15/2011
11030347-004A	AS-N1-03-10-11		3/10/2011	3/15/2011
11030347-005A	AS-W1-03-10-11		3/10/2011	3/15/2011

---

**STAT Analysis Corporation**

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Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-

Date Reported: March 22, 2011

Date Printed: March 22, 2011

<b>Client:</b>	Tetra Tech EM Inc.					
<b>Project:</b>	103DG902L053-05, OMC, Waukegan			<b>Lab Order:</b>	11030347	
<b>Lab ID:</b>	11030347-001			<b>Collection Date:</b>	3/10/2011	
<b>Client Sample ID</b>	AS-S1-03-10-11			<b>Matrix:</b>	Filter	
<b>Analyses</b>	<b>Result</b>	<b>RL</b>	<b>Qualifier</b>	<b>Units</b>	<b>DF</b>	<b>Date Analyzed</b>
<b>Particulate Matter in Air</b>	<b>40 CFR PART 50 APP. J</b>			<b>Prep Date:</b>	<b>3/15/2011</b>	<b>Analyst: RW</b>
Particulate Matter (as PM10)	17300	100		µg/filter	1	3/21/2011
<b>Lab ID:</b>	11030347-002			<b>Collection Date:</b>	3/10/2011	
<b>Client Sample ID</b>	AS-S1D-03-10-11			<b>Matrix:</b>	Filter	
<b>Analyses</b>	<b>Result</b>	<b>RL</b>	<b>Qualifier</b>	<b>Units</b>	<b>DF</b>	<b>Date Analyzed</b>
<b>Particulate Matter in Air</b>	<b>40 CFR PART 50 APP. J</b>			<b>Prep Date:</b>	<b>3/15/2011</b>	<b>Analyst: RW</b>
Particulate Matter (as PM10)	16900	100		µg/filter	1	3/21/2011
<b>Lab ID:</b>	11030347-003			<b>Collection Date:</b>	3/10/2011	
<b>Client Sample ID</b>	AS-E1-03-10-11			<b>Matrix:</b>	Filter	
<b>Analyses</b>	<b>Result</b>	<b>RL</b>	<b>Qualifier</b>	<b>Units</b>	<b>DF</b>	<b>Date Analyzed</b>
<b>Particulate Matter in Air</b>	<b>40 CFR PART 50 APP. J</b>			<b>Prep Date:</b>	<b>3/15/2011</b>	<b>Analyst: RW</b>
Particulate Matter (as PM10)	16400	100		µg/filter	1	3/21/2011
<b>Lab ID:</b>	11030347-004			<b>Collection Date:</b>	3/10/2011	
<b>Client Sample ID</b>	AS-N1-03-10-11			<b>Matrix:</b>	Filter	
<b>Analyses</b>	<b>Result</b>	<b>RL</b>	<b>Qualifier</b>	<b>Units</b>	<b>DF</b>	<b>Date Analyzed</b>
<b>Particulate Matter in Air</b>	<b>40 CFR PART 50 APP. J</b>			<b>Prep Date:</b>	<b>3/15/2011</b>	<b>Analyst: RW</b>
Particulate Matter (as PM10)	15500	100		µg/filter	1	3/21/2011
<b>Lab ID:</b>	11030347-005			<b>Collection Date:</b>	3/10/2011	
<b>Client Sample ID</b>	AS-W1-03-10-11			<b>Matrix:</b>	Filter	
<b>Analyses</b>	<b>Result</b>	<b>RL</b>	<b>Qualifier</b>	<b>Units</b>	<b>DF</b>	<b>Date Analyzed</b>
<b>Particulate Matter in Air</b>	<b>40 CFR PART 50 APP. J</b>			<b>Prep Date:</b>	<b>3/15/2011</b>	<b>Analyst: RW</b>
Particulate Matter (as PM10)	18000	100		µg/filter	1	3/21/2011

**Qualifiers:**  
ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
HT - Sample received past holding time  
\* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis  
S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range  
H - Holding time exceeded

## Page :                      of

Page 4 of 5



### Sample Receipt Checklist

Client Name **TETRA CHICAGO**

Date and Time Received: **3/15/2011 1:25:00 PM**

Work Order Number **11030347**

Received by: **KAL**

Checklist completed by: Katelin Schuss 3/15/11  
Signature Date

Reviewed by: CK 3/14/11  
Initials Date

Matrix: Carrier name: STAT Analysis

Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Custody seals intact on shipping container/cooler?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Custody seals intact on sample bottles?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody agrees with sample labels/containers?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Samples in proper container/bottle?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Container or Temp Blank temperature in compliance?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Temperature Ambient °C
Water - VOA vials have zero headspace?	No VOA vials submitted <input checked="" type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Water - Samples pH checked?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Checked by:
Water - Samples properly preserved?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	pH Adjusted?

Any No response must be detailed in the comments section below.

Comments:

Client / Person  
contacted:

Date contacted:

Contacted by:

Response:

**STAT Analysis Corporation**

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766

Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-

March 22, 2011

Tetra Tech EM Inc.  
1 South Wacker Drive  
37th Floor  
Chicago, IL 60606  
Telephone: (312) 946-6474  
Fax: (312) 938-0118

RE: 103DG9021-053-05, OMC, Waukegan

STAT Project No: 11030438

Dear Tom Hahne:

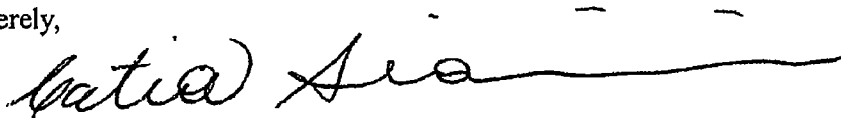
STAT Analysis received 5 samples for the referenced project on 3/18/2011 9:45:00 AM. The analytical results are presented in the following report.

All analyses were performed in accordance with the requirements of 35 IAC Part 186 / NELAC standards. Analyses were performed in accordance with methods as referenced on the analytical report. Those analytical results expressed on a dry weight basis are also noted on the analytical report.

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Thank you for the opportunity to serve you and I look forward to working with you in the future. If you have any questions regarding the enclosed materials, please contact me at (312) 733-0551.

Sincerely,



Catia Giannini  
Project Manager

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---

**Client:** Tetra Tech EM Inc.  
**Project:** 103DG9021-053-05, OMC, Waukegan  
**Lab Order:** 11030438

---

**Work Order Sample Summary**

---

<b>Lab Sample ID</b>	<b>Client Sample ID</b>	<b>Tag Number</b>	<b>Collection Date</b>	<b>Date Received</b>
11030438-001A	AS-S1-03-16-11		3/16/2011	3/18/2011
11030438-002A	AS-S1D-03-16-11		3/16/2011	3/18/2011
11030438-003A	AS-E1-03-16-11		3/16/2011	3/18/2011
11030438-004A	AS-N1-03-16-11		3/16/2011	3/18/2011
11030438-005A	AS-W1-03-16-11		3/16/2011	3/18/2011

---



**STAT Analysis Corporation**

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766

Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-

Date Reported: March 22, 2011

Date Printed: March 22, 2011

Client: Tetra Tech EM Inc.

Project: 103DG9021-053-05, OMC, Waukegan

Lab Order: 11030438

Lab ID: 11030438-001

Collection Date: 3/16/2011

Client Sample ID AS-S1-03-16-11

Matrix: Air

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
----------	--------	----	-----------	-------	----	---------------

Particulate Matter in Air

40 CFR PART 50 APP. J

Prep Date: 3/18/2011

Analyst: RW

Particulate Matter (as PM10)

53200

100

µg/filter

1

3/21/2011

Lab ID: 11030438-002

Collection Date: 3/16/2011

Client Sample ID AS-S1D-03-16-11

Matrix: Air

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
----------	--------	----	-----------	-------	----	---------------

Particulate Matter in Air

40 CFR PART 50 APP. J

Prep Date: 3/18/2011

Analyst: RW

Particulate Matter (as PM10)

57400

100

µg/filter

1

3/21/2011

Lab ID: 11030438-003

Collection Date: 3/16/2011

Client Sample ID AS-E1-03-16-11

Matrix: Air

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
----------	--------	----	-----------	-------	----	---------------

Particulate Matter in Air

40 CFR PART 50 APP. J

Prep Date: 3/18/2011

Analyst: RW

Particulate Matter (as PM10)

29400

100

µg/filter

1

3/21/2011

Lab ID: 11030438-004

Collection Date: 3/16/2011

Client Sample ID AS-N1-03-16-11

Matrix: Air

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
----------	--------	----	-----------	-------	----	---------------

Particulate Matter in Air

40 CFR PART 50 APP. J

Prep Date: 3/18/2011

Analyst: RW

Particulate Matter (as PM10)

17500

100

µg/filter

1

3/21/2011

Lab ID: 11030438-005

Collection Date: 3/16/2011

Client Sample ID AS-W1-03-16-11

Matrix: Air

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
----------	--------	----	-----------	-------	----	---------------

Particulate Matter in Air

40 CFR PART 50 APP. J

Prep Date: 3/18/2011

Analyst: RW

Particulate Matter (as PM10)

59400

100

µg/filter

1

3/21/2011

**Qualifiers:**

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

HT - Sample received past holding time

\* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

## CHAIN OF CUSTODY RECORD

Nº: 834322

Page : of

Company: Tetra Tech							P.O. No.:			
Project Number: 103 DG 9021-053.05 Client Tracking No.:							Quote No.:			
Project Name: OME							<div>Turn Around:</div> <div>Results Needed</div> <div>am/pm</div>			
Project Location: Waukegan										
Sampler(s): Cenv										
Report To: Tom Hahn										
Phone:							<div>PM 10</div>			
Fax:										
e-mail:										
QC Level: 1 2 3 4										
Client Sample Number/Description:		Date Taken	Time Taken	Matrix	Comp.	Grab	Preserv	No. of Containers	Remarks	
AS-S1-03-16-11		03-16-11		Filt	X			1	X	
AS-S1D-03-16-11								1	X	
AS-E1-03-16-11								1	X	
AS-N1-03-16-11								1	X	
AS-W1-03-16-11								1	X	
Relinquished by (Signature)		Date/Time: 03-17-11 1600		Comments: Report as ug/liter						
Received by (Signature)		Date/Time: 3/18/11 9:15		Laboratory Work Order No. 11030438						
Relinquished by (Signature)		Date/Time:		Received on Ice: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>						
Received by (Signature)		Date/Time:		Temperature: Ambient						
Relinquished by (Signature)		Date/Time:		Preservation Code: A = None B = HNO3 C = NaOH						
Received by (Signature)		Date/Time:		D = H2SO4 E = HCl F = 5035/EnCore G = Other						

**Sample Receipt Checklist**

Client Name TETRA CHICAGO

Date and Time Received: 3/18/2011 9:45:00 AM

Work Order Number 11030438

Received by: CDF

Checklist completed by:

Reviewed by:

Signature

Date

Initials

Date

Matrix:

Carrier name: FedEx

Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Custody seals intact on shipping container/cooler?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Custody seals intact on sample bottles?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody agrees with sample labels/containers?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Samples in proper container/bottle?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Container or Temp Blank temperature in compliance?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Temperature Ambient °C
Water - VOA vials have zero headspace?	No VOA vials submitted <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/>	No <input checked="" type="checkbox"/>
Water - Samples pH checked?	Yes <input checked="" type="checkbox"/>	No <input checked="" type="checkbox"/>	Checked by: _____
Water - Samples properly preserved?	Yes <input checked="" type="checkbox"/>	No <input checked="" type="checkbox"/>	pH Adjusted? _____

Any No response must be detailed in the comments section below.

Comments: \_\_\_\_\_

Client / Person  
contacted: \_\_\_\_\_

Date contacted: \_\_\_\_\_

Contacted by: \_\_\_\_\_

Response: \_\_\_\_\_



**STAT Analysis Corporation**

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766

Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-

April 11, 2011

Tetra Tech EM Inc.  
1 South Wacker Drive  
37th Floor  
Chicago, IL 60606  
Telephone: (312) 946-6474  
Fax: (312) 938-0118

RE: 103DG9021.053.05, OMC, Waukegan

STAT Project No: 11040064

Dear Tom Hahne:

STAT Analysis received 5 samples for the referenced project on 4/4/2011 9:30:00 AM. The analytical results are presented in the following report.

All analyses were performed in accordance with the requirements of 35 IAC Part 186 / NELAC standards. Analyses were performed in accordance with methods as referenced on the analytical report. Those analytical results expressed on a dry weight basis are also noted on the analytical report.

All analyses were performed within established holding time criteria, and all Quality Control criteria met EPA or laboratory specifications except when noted in the Case Narrative or Analytical Report. If required, an estimate of uncertainty for the analyses can be provided. A listing of accredited methods/parameters can also be provided.

Thank you for the opportunity to serve you and I look forward to working with you in the future. If you have any questions regarding the enclosed materials, please contact me at (312) 733-0551.

Sincerely,



Katelin Lewis  
Project Manager

*The information contained in this report and any attachments is confidential information intended only for the use of the individual or entities named above. The results of this report relate only to the samples tested. If you have received this report in error, please notify us immediately by phone. This report shall not be reproduced, except in its entirety, unless written approval has been obtained from the laboratory. This analytical report shall become property of the Customer upon payment in full. Otherwise, STAT will be under no obligation to support, defend or discuss the analytical report.*

---

**Client:** Tetra Tech EM Inc.**Project:** 103DG9021.053.05, OMC, Waukegan**Lab Order:** 11040064**Work Order Sample Summary**

---

<b>Lab Sample ID</b>	<b>Client Sample ID</b>	<b>Tag Number</b>	<b>Collection Date</b>	<b>Date Received</b>
11040064-001A	AS-S1	03-30-11	3/30/2011	4/4/2011
11040064-002A	AS-S1D	03-30-11	3/30/2011	4/4/2011
11040064-003A	AS-E1	03-30-11	3/30/2011	4/4/2011
11040064-004A	AS-N1	03-30-11	3/30/2011	4/4/2011
11040064-005A	AS-W1	03-30-11	3/30/2011	4/4/2011

---

**CLIENT:** Tetra Tech EM Inc.  
**Project:** 103DG9021.053.05, OMC, Waukegan  
**Lab Order:** 11040064

---

**CASE NARRATIVE**

The following filter was received damaged and/or torn: AS-S1D 03-30-11 (11040064-002)



**STAT Analysis Corporation**

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766

Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Date Reported: April 11, 2011

Date Printed: April 11, 2011

Client: Tetra Tech EM Inc.

Project: 103DG9021.053.05, OMC, Waukegan

Lab Order: 11040064

Lab ID: 11040064-001

Collection Date 3/30/2011

Client Sample ID:AS-S1 03-30-11

Matrix: Air

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
----------	--------	----	-----------	-------	----	---------------

Particulate Matter in Air	40 CFR PART 50 APP. J			Prep Date: 4/4/2011	Analyst: RW	
Particulate Matter (as PM10)	24900	100		µg/filter 1	4/6/2011	

Lab ID: 11040064-002

Collection Date 3/30/2011

Client Sample ID:AS-S1D 03-30-11

Matrix: Air

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
----------	--------	----	-----------	-------	----	---------------

Particulate Matter in Air	40 CFR PART 50 APP. J			Prep Date: 4/4/2011	Analyst: RW	
Particulate Matter (as PM10)	25100	100		µg/filter 1	4/6/2011	

Lab ID: 11040064-003

Collection Date 3/30/2011

Client Sample ID:AS-E1 03-30-11

Matrix: Air

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
----------	--------	----	-----------	-------	----	---------------

Particulate Matter in Air	40 CFR PART 50 APP. J			Prep Date: 4/4/2011	Analyst: RW	
Particulate Matter (as PM10)	16100	100		µg/filter 1	4/6/2011	

Lab ID: 11040064-004

Collection Date 3/30/2011

Client Sample ID:AS-N1 03-30-11

Matrix: Air

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
----------	--------	----	-----------	-------	----	---------------

Particulate Matter in Air	40 CFR PART 50 APP. J			Prep Date: 4/4/2011	Analyst: RW	
Particulate Matter (as PM10)	10900	100		µg/filter 1	4/6/2011	

Lab ID: 11040064-005

Collection Date 3/30/2011

Client Sample ID:AS-W1 03-30-11

Matrix: Air

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
----------	--------	----	-----------	-------	----	---------------

Particulate Matter in Air	40 CFR PART 50 APP. J			Prep Date: 4/4/2011	Analyst: RW	
Particulate Matter (as PM10)	200000	100		µg/filter 1	4/6/2011	

**Qualifiers:**

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

HT - Sample received past holding time

\* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

Nº: 834325

Page : of

Page 5 of 6

**Sample Receipt Checklist**

Client Name **TETRA CHICAGO**

Date and Time Received: **4/4/2011 9:30:00 AM**

Work Order Number **11040064**

Received by: **CDF**

Checklist completed by:

Signature

Date

**4/4/11**

Reviewed by:

Initials

Date

**Cg 4/5/11**

Matrix:

Carrier name: **FedEx**

Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Custody seals intact on shipping container/cooler?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Custody seals intact on sample bottles?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody agrees with sample labels/containers?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Samples in proper container/bottle?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Container or Temp Blank temperature in compliance?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Temperature Ambient °C
Water - VOA vials have zero headspace?	No VOA vials submitted <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/>	No <input checked="" type="checkbox"/>
Water - Samples pH checked?	Yes <input checked="" type="checkbox"/>	No <input checked="" type="checkbox"/>	Checked by: _____
Water - Samples properly preserved?	Yes <input checked="" type="checkbox"/>	No <input checked="" type="checkbox"/>	pH Adjusted? _____

Any No response must be detailed in the comments section below.

Comments: \_\_\_\_\_

Client / Person  
contacted: \_\_\_\_\_

Date contacted: \_\_\_\_\_

Contacted by: \_\_\_\_\_

Response: \_\_\_\_\_



**STAT Analysis Corporation**

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766

Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-

April 22, 2011

Tetra Tech EM Inc.  
1 South Wacker Drive  
37th Floor  
Chicago, IL 60606  
Telephone: (312) 856-8700  
Fax: (312) 938-0118

RE: 103DG9021067.08, OMC, Waukegan

STAT Project No: 11040617

Dear Carol Nissen:

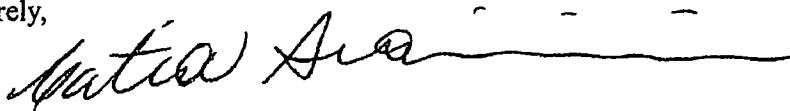
STAT Analysis received 5 samples for the referenced project on 4/18/2011 9:30:00 AM. The analytical results are presented in the following report.

All analyses were performed in accordance with the requirements of 35 IAC Part 186 / NELAC standards. Analyses were performed in accordance with methods as referenced on the analytical report. Those analytical results expressed on a dry weight basis are also noted on the analytical report.

All analyses were performed within established holding time criteria, and all Quality Control criteria met EPA or laboratory specifications except when noted in the Case Narrative or Analytical Report. If required, an estimate of uncertainty for the analyses can be provided. A listing of accredited methods/parameters can also be provided.

Thank you for the opportunity to serve you and I look forward to working with you in the future. If you have any questions regarding the enclosed materials, please contact me at (312) 733-0551.

Sincerely,



Catia Giannini  
Project Manager

*The information contained in this report and any attachments is confidential information intended only for the use of the individual or entities named above. The results of this report relate only to the samples tested. If you have received this report in error, please notify us immediately by phone. This report shall not be reproduced, except in its entirety, unless written approval has been obtained from the laboratory. This analytical report shall become property of the Customer upon payment in full. Otherwise, STAT will be under no obligation to support, defend or discuss the analytical report.*

---

**Client:** Tetra Tech EM Inc.**Project:** 103DG9021067.08, OMC, Waukegan**Lab Order:** 11040617**Work Order Sample Summary**

---

<b>Lab Sample ID</b>	<b>Client Sample ID</b>	<b>Tag Number</b>	<b>Collection Date</b>	<b>Date Received</b>
11040617-001A	AS-S1 04-13-11		4/13/2011	4/18/2011
11040617-002A	AS-S1D 04-13-11		4/13/2011	4/18/2011
11040617-003A	AS-E1 04-13-11		4/13/2011	4/18/2011
11040617-004A	AS-N1 04-13-11		4/13/2011	4/18/2011
11040617-005A	AS-W1 04-13-11		4/13/2011	4/18/2011

---

**CLIENT:** Tetra Tech EM Inc.  
**Project:** 103DG9021067.08, OMC, Waukegan  
**Lab Order:** 11040617

---

**CASE NARRATIVE**

The following filters were received damaged and/or torn:

AS-N1 04-13-11 (11040617-004)

AS-W1 04-13-11 (11040617-005)



**STAT Analysis Corporation**

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766

Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-

Date Reported: April 22, 2011

Date Printed: April 22, 2011

Client: Tetra Tech EM Inc.

Project: 103DG9021067.08, OMC, Waukegan

Lab Order: 11040617

Lab ID: 11040617-001

Collection Date: 4/13/2011

Client Sample ID AS-S1 04-13-11

Matrix: Filter

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
----------	--------	----	-----------	-------	----	---------------

Particulate Matter in Air	40 CFR PART 50 APP. J			Prep Date: 4/18/2011		Analyst: RW
Particulate Matter (as PM10)	30400	100		µg/filter 1		4/20/2011

Lab ID: 11040617-002

Collection Date: 4/13/2011

Client Sample ID AS-S1D 04-13-11

Matrix: Filter

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
----------	--------	----	-----------	-------	----	---------------

Particulate Matter in Air	40 CFR PART 50 APP. J			Prep Date: 4/18/2011		Analyst: RW
Particulate Matter (as PM10)	33400	100		µg/filter 1		4/20/2011

Lab ID: 11040617-003

Collection Date: 4/13/2011

Client Sample ID AS-E1 04-13-11

Matrix: Filter

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
----------	--------	----	-----------	-------	----	---------------

Particulate Matter in Air	40 CFR PART 50 APP. J			Prep Date: 4/18/2011		Analyst: RW
Particulate Matter (as PM10)	87600	100		µg/filter 1		4/20/2011

Lab ID: 11040617-004

Collection Date: 4/13/2011

Client Sample ID AS-N1 04-13-11

Matrix: Filter

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
----------	--------	----	-----------	-------	----	---------------

Particulate Matter in Air	40 CFR PART 50 APP. J			Prep Date: 4/18/2011		Analyst: RW
Particulate Matter (as PM10)	32600	100		µg/filter 1		4/20/2011

Lab ID: 11040617-005

Collection Date: 4/13/2011

Client Sample ID AS-W1 04-13-11

Matrix: Filter

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
----------	--------	----	-----------	-------	----	---------------

Particulate Matter in Air	40 CFR PART 50 APP. J			Prep Date: 4/18/2011		Analyst: RW
Particulate Matter (as PM10)	120000	100		µg/filter 1		4/20/2011

**Qualifiers:**

- ND - Not Detected at the Reporting Limit
- J - Analyte detected below quantitation limits
- B - Analyte detected in the associated Method Blank
- HT - Sample received past holding time
- \* - Non-accredited parameter

- RL - Reporting / Quantitation Limit for the analysis
- S - Spike Recovery outside accepted recovery limits
- R - RPD outside accepted recovery limits
- E - Value above quantitation range
- H - Holding time exceeded

### CHAIN OF CUSTODY RECORD

Nº: 834323

Page : of

[illegible]

**Sample Receipt Checklist**

Client Name **TETRA CHICAGO**

Date and Time Received: **4/18/2011 9:30:00 AM**

Work Order Number **11040617**

Received by: **CDF**

Checklist completed by:

Signature

Date

**4/18/11**

Reviewed by:

Initials

Date

**Cb 4/19/11**

Matrix:

Carrier name: **FedEx**

Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Custody seals intact on shipping container/cooler?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Custody seals intact on sample bottles?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody agrees with sample labels/containers?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Samples in proper container/bottle?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Container or Temp Blank temperature in compliance?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Temperature Ambient °C
Water - VOA vials have zero headspace?	No VOA vials submitted <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/>	No <input checked="" type="checkbox"/>
Water - Samples pH checked?	Yes <input checked="" type="checkbox"/>	No <input checked="" type="checkbox"/>	Checked by: _____
Water - Samples properly preserved?	Yes <input checked="" type="checkbox"/>	No <input checked="" type="checkbox"/>	pH Adjusted? _____

Any No response must be detailed in the comments section below.

Comments: \_\_\_\_\_

Client / Person  
contacted: \_\_\_\_\_

Date contacted: \_\_\_\_\_

Contacted by: \_\_\_\_\_

Response: \_\_\_\_\_



**STAT Analysis Corporation**

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766

Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-

May 10, 2011

Tetra Tech EM Inc.  
1 South Wacker Drive  
37th Floor  
Chicago, IL 60606  
Telephone: (312) 856-8700  
Fax: (312) 938-0118

RE: 103DG9021.053.08, OMC, Waukegan

STAT Project No: 11050183

Dear Carol Nissen:

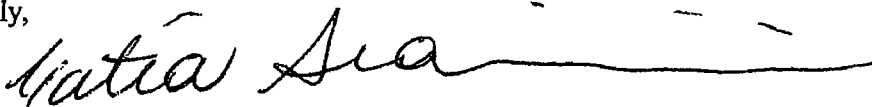
STAT Analysis received 5 samples for the referenced project on 5/5/2011 10:00:00 AM. The analytical results are presented in the following report.

All analyses were performed in accordance with the requirements of 35 IAC Part 186 / NELAC standards. Analyses were performed in accordance with methods as referenced on the analytical report. Those analytical results expressed on a dry weight basis are also noted on the analytical report.

All analyses were performed within established holding time criteria, and all Quality Control criteria met EPA or laboratory specifications except when noted in the Case Narrative or Analytical Report. If required, an estimate of uncertainty for the analyses can be provided. A listing of accredited methods/parameters can also be provided.

Thank you for the opportunity to serve you and I look forward to working with you in the future. If you have any questions regarding the enclosed materials, please contact me at (312) 733-0551.

Sincerely,



Catia Giannini  
Project Manager

*The information contained in this report and any attachments is confidential information intended only for the use of the individual or entities named above. The results of this report relate only to the samples tested. If you have received this report in error, please notify us immediately by phone. This report shall not be reproduced, except in its entirety, unless written approval has been obtained from the laboratory. This analytical report shall become property of the Customer upon payment in full. Otherwise, STAT will be under no obligation to support, defend or discuss the analytical report.*

---

**Client:** Tetra Tech EM Inc.  
**Project:** 103DG9021.053.08, OMC, Waukegan  
**Lab Order:** 11050183

---

**Work Order Sample Summary**

---

<b>Lab Sample ID</b>	<b>Client Sample ID</b>	<b>Tag Number</b>	<b>Collection Date</b>	<b>Date Received</b>
11050183-001A	AS-S1-05-02-11		5/2/2011	5/5/2011
11050183-002A	AS-S1D-05-02-11		5/2/2011	5/5/2011
11050183-003A	AS-N1-05-02-11		5/2/2011	5/5/2011
11050183-004A	AS-W1-05-02-11		5/2/2011	5/5/2011
11050183-005A	AS-E1-05-02-11		5/2/2011	5/5/2011

---

**STAT Analysis Corporation**

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766

Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-

Date Reported: May 10, 2011

Date Printed: May 10, 2011

<b>Client:</b>	Tetra Tech EM Inc.					
<b>Project:</b>	103DG9021.053.08, OMC, Waukegan				<b>Lab Order:</b>	11050183
<b>Lab ID:</b>	11050183-001		<b>Collection Date:</b> 5/2/2011			
<b>Client Sample ID</b>	AS-S1-05-02-11		<b>Matrix:</b> Air			
<b>Analyses</b>	<b>Result</b>	<b>RL</b>	<b>Qualifier</b>	<b>Units</b>	<b>DF</b>	<b>Date Analyzed</b>
<b>Particulate Matter in Air</b>	<b>40 CFR PART 50 APP. J</b>			<b>Prep Date: 5/5/2011</b>		<b>Analyst: RW</b>
Particulate Matter (as PM10)	39400	100		µg/filter	1	5/9/2011
<b>Lab ID:</b>	11050183-002		<b>Collection Date:</b> 5/2/2011			
<b>Client Sample ID</b>	AS-S1D-05-02-11		<b>Matrix:</b> Air			
<b>Analyses</b>	<b>Result</b>	<b>RL</b>	<b>Qualifier</b>	<b>Units</b>	<b>DF</b>	<b>Date Analyzed</b>
<b>Particulate Matter in Air</b>	<b>40 CFR PART 50 APP. J</b>			<b>Prep Date: 5/5/2011</b>		<b>Analyst: RW</b>
Particulate Matter (as PM10)	41500	100		µg/filter	1	5/9/2011
<b>Lab ID:</b>	11050183-003		<b>Collection Date:</b> 5/2/2011			
<b>Client Sample ID</b>	AS-N1-05-02-11		<b>Matrix:</b> Air			
<b>Analyses</b>	<b>Result</b>	<b>RL</b>	<b>Qualifier</b>	<b>Units</b>	<b>DF</b>	<b>Date Analyzed</b>
<b>Particulate Matter in Air</b>	<b>40 CFR PART 50 APP. J</b>			<b>Prep Date: 5/5/2011</b>		<b>Analyst: RW</b>
Particulate Matter (as PM10)	2200	100		µg/filter	1	5/9/2011
<b>Lab ID:</b>	11050183-004		<b>Collection Date:</b> 5/2/2011			
<b>Client Sample ID</b>	AS-W1-05-02-11		<b>Matrix:</b> Air			
<b>Analyses</b>	<b>Result</b>	<b>RL</b>	<b>Qualifier</b>	<b>Units</b>	<b>DF</b>	<b>Date Analyzed</b>
<b>Particulate Matter in Air</b>	<b>40 CFR PART 50 APP. J</b>			<b>Prep Date: 5/5/2011</b>		<b>Analyst: RW</b>
Particulate Matter (as PM10)	26900	100		µg/filter	1	5/9/2011
<b>Lab ID:</b>	11050183-005		<b>Collection Date:</b> 5/2/2011			
<b>Client Sample ID</b>	AS-E1-05-02-11		<b>Matrix:</b> Air			
<b>Analyses</b>	<b>Result</b>	<b>RL</b>	<b>Qualifier</b>	<b>Units</b>	<b>DF</b>	<b>Date Analyzed</b>
<b>Particulate Matter in Air</b>	<b>40 CFR PART 50 APP. J</b>			<b>Prep Date: 5/5/2011</b>		<b>Analyst: RW</b>
Particulate Matter (as PM10)	6200	100		µg/filter	1	5/9/2011

**Qualifiers:**  
ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
HT - Sample received past holding time  
\* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis  
S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range  
H - Holding time exceeded



Nº: 835622

Page : of

Page 4 of 5

**Sample Receipt Checklist**

Client Name **TETRA CHICAGO**

Date and Time Received: **5/5/2011 10:00:00 AM**

Work Order Number **11050183**

Received by: **CDF**

Checklist completed by:

Signature

Date

**5/5/11**

Reviewed by:

Initials

Date

**Cs 5/6/11**

Matrix:

Carrier name: **FedEx**

Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Custody seals intact on shipping container/cooler?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Custody seals intact on sample bottles?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody agrees with sample labels/containers?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Samples in proper container/bottle?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Container or Temp Blank temperature in compliance?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Temperature Ambient °C
Water - VOA vials have zero headspace?	No VOA vials submitted <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/>	No <input checked="" type="checkbox"/>
Water - Samples pH checked?	Yes <input checked="" type="checkbox"/>	No <input checked="" type="checkbox"/>	Checked by: _____
Water - Samples properly preserved?	Yes <input checked="" type="checkbox"/>	No <input checked="" type="checkbox"/>	pH Adjusted? _____

Any No response must be detailed in the comments section below.

Comments: \_\_\_\_\_

Client / Person  
contacted: \_\_\_\_\_

Date contacted: \_\_\_\_\_

Contacted by: \_\_\_\_\_

Response: \_\_\_\_\_

**STAT Analysis Corporation**

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766

Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-

June 14, 2011

Tetra Tech EM Inc.  
1 South Wacker Drive  
37th Floor  
Chicago, IL 60606  
Telephone: (312) 856-8700  
Fax: (312) 938-0118

RE: 103DG9021-053.08, OMC, Waukegan

STAT Project No: 11060265

Dear Carol Nissen:

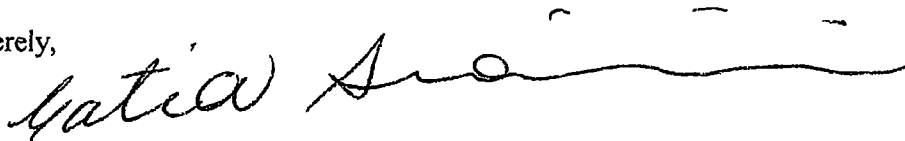
STAT Analysis received 8 samples for the referenced project on 6/9/2011 9:30:00 AM. The analytical results are presented in the following report.

~~All analyses were performed in accordance with the requirements of 35 IAC Part 186 / NELAC standards.~~  
Analyses were performed in accordance with methods as referenced on the analytical report. Those analytical results expressed on a dry weight basis are also noted on the analytical report.

All analyses were performed within established holding time criteria, and all Quality Control criteria met EPA or laboratory specifications except when noted in the Case Narrative or Analytical Report. If required, an estimate of uncertainty for the analyses can be provided. A listing of accredited methods/parameters can also be provided.

Thank you for the opportunity to serve you and I look forward to working with you in the future. If you have any questions regarding the enclosed materials, please contact me at (312) 733-0551.

Sincerely,



Catia Giannini  
Project Manager

*The information contained in this report and any attachments is confidential information intended only for the use of the individual or entities named above. The results of this report relate only to the samples tested. If you have received this report in error, please notify us immediately by phone. This report shall not be reproduced, except in its entirety, unless written approval has been obtained from the laboratory. This analytical report shall become property of the Customer upon payment in full. Otherwise, STAT will be under no obligation to support, defend or discuss the analytical report.*



---

**Client:** Tetra Tech EM Inc.**Project:** 103DG9021-053.08, OMC, Waukegan**Lab Order:** 11060265**Work Order Sample Summary**

---

<b>Lab Sample ID</b>	<b>Client Sample ID</b>	<b>Tag Number</b>	<b>Collection Date</b>	<b>Date Received</b>
11060265-001A	AS-S1-6-1-11		6/1/2011	6/9/2011
11060265-002A	AS-S1D-6-1-11		6/1/2011	6/9/2011
11060265-003A	AS-E1-6-1-11		6/1/2011	6/9/2011
11060265-004A	AS-S1-6-7-11		6/7/2011	6/9/2011
11060265-005A	AS-S1D-6-7-11		6/7/2011	6/9/2011
11060265-006A	AS-N1-6-7-11		6/7/2011	6/9/2011
11060265-007A	AS-E1-6-7-11		6/7/2011	6/9/2011
11060265-008A	AS-W1-6-7-11		6/7/2011	6/9/2011

**STAT Analysis Corporation**

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766

Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-

Date Reported: June 14, 2011

Date Printed: June 14, 2011

<b>Client:</b>	Tetra Tech EM Inc.					
<b>Project:</b>	103DG9021-053.08, OMC, Waukegan				<b>Lab Order:</b>	11060265
<b>Lab ID:</b>	11060265-001				<b>Collection Date:</b>	6/1/2011
<b>Client Sample ID</b>	AS-S1-6-1-11				<b>Matrix:</b>	Air
<b>Analyses</b>	<b>Result</b>	<b>RL</b>	<b>Qualifier</b>	<b>Units</b>	<b>DF</b>	<b>Date Analyzed</b>
<b>Particulate Matter in Air</b>	<b>40 CFR PART 50 APP. J</b>				<b>Prep Date:</b>	<b>6/9/2011</b>
Particulate Matter (as PM10)	38300	100		µg/filter	1	Analyst: JP 6/10/2011
<b>Lab ID:</b>	11060265-002				<b>Collection Date:</b>	6/1/2011
<b>Client Sample ID</b>	AS-S1D-6-1-11				<b>Matrix:</b>	Air
<b>Analyses</b>	<b>Result</b>	<b>RL</b>	<b>Qualifier</b>	<b>Units</b>	<b>DF</b>	<b>Date Analyzed</b>
<b>Particulate Matter in Air</b>	<b>40 CFR PART 50 APP. J</b>				<b>Prep Date:</b>	<b>6/9/2011</b>
Particulate Matter (as PM10)	65600	100		µg/filter	1	Analyst: JP 6/10/2011
<b>Lab ID:</b>	11060265-003				<b>Collection Date:</b>	6/1/2011
<b>Client Sample ID</b>	AS-E1-6-1-11				<b>Matrix:</b>	Air
<b>Analyses</b>	<b>Result</b>	<b>RL</b>	<b>Qualifier</b>	<b>Units</b>	<b>DF</b>	<b>Date Analyzed</b>
<b>Particulate Matter in Air</b>	<b>40 CFR PART 50 APP. J</b>				<b>Prep Date:</b>	<b>6/9/2011</b>
Particulate Matter (as PM10)	23200	100		µg/filter	1	Analyst: JP 6/10/2011
<b>Lab ID:</b>	11060265-004				<b>Collection Date:</b>	6/7/2011
<b>Client Sample ID</b>	AS-S1-6-7-11				<b>Matrix:</b>	Air
<b>Analyses</b>	<b>Result</b>	<b>RL</b>	<b>Qualifier</b>	<b>Units</b>	<b>DF</b>	<b>Date Analyzed</b>
<b>Particulate Matter in Air</b>	<b>40 CFR PART 50 APP. J</b>				<b>Prep Date:</b>	<b>6/9/2011</b>
Particulate Matter (as PM10)	72900	100		µg/filter	1	Analyst: JP 6/10/2011
<b>Lab ID:</b>	11060265-005				<b>Collection Date:</b>	6/7/2011
<b>Client Sample ID</b>	AS-S1D-6-7-11				<b>Matrix:</b>	Air
<b>Analyses</b>	<b>Result</b>	<b>RL</b>	<b>Qualifier</b>	<b>Units</b>	<b>DF</b>	<b>Date Analyzed</b>
<b>Particulate Matter in Air</b>	<b>40 CFR PART 50 APP. J</b>				<b>Prep Date:</b>	<b>6/9/2011</b>
Particulate Matter (as PM10)	90100	100		µg/filter	1	Analyst: JP 6/10/2011

**Qualifiers:**

ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
HT - Sample received past holding time  
\* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis  
S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range  
H - Holding time exceeded

**STAT Analysis Corporation**

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766

Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-

Date Reported: June 14, 2011

Date Printed: June 14, 2011

Client: Tetra Tech EM Inc.

Project: 103DG9021-053.08, OMC, Waukegan

Lab Order: 11060265

Lab ID: 11060265-006

Collection Date: 6/7/2011

Client Sample ID AS-N1-6-7-11

Matrix: Air

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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Particulate Matter in Air	40 CFR PART 50 APP. J			Prep Date: 6/9/2011		Analyst: JP
Particulate Matter (as PM10)	52100	100		µg/filter 1		6/10/2011

Lab ID: 11060265-007

Collection Date: 6/7/2011

Client Sample ID AS-E1-6-7-11

Matrix: Air

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
----------	--------	----	-----------	-------	----	---------------

Particulate Matter in Air	40 CFR PART 50 APP. J			Prep Date: 6/9/2011		Analyst: JP
Particulate Matter (as PM10)	61800	100		µg/filter 1		6/10/2011

Lab ID: 11060265-008

Collection Date: 6/7/2011

Client Sample ID AS-W1-6-7-11

Matrix: Air

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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Particulate Matter in Air	40 CFR PART 50 APP. J			Prep Date: 6/9/2011		Analyst: JP
Particulate Matter (as PM10)	72500	100		µg/filter 1		6/10/2011

Qualifiers:

ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
HT - Sample received past holding time  
\* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis  
S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range  
H - Holding time exceeded



Nº: 837415

Page : \_\_\_\_\_ of \_\_\_\_\_

Page 5 of 6

**Sample Receipt Checklist**

Client Name TETRA CHICAGO

Date and Time Received: 6/9/2011 9:30:00 AM

Work Order Number 11060265

Received by: CDF

Checklist completed by:

Reviewed by:

Signature

Date

Initials

Date

Matrix:

Carrier name: FedEx

Shipping container/cooler in good condition?

Yes ☒

No ☐

Not Present ☐

Custody seals intact on shipping container/cooler?

Yes ☐

No ☐

Not Present ☒

Custody seals intact on sample bottles?

Yes ☐

No ☐

Not Present ☒

Chain of custody present?

Yes ☒

No ☐

Chain of custody signed when relinquished and received?

Yes ☒

No ☐

Chain of custody agrees with sample labels/containers?

Yes ☒

No ☐

Samples in proper container/bottle?

Yes ☒

No ☐

Sample containers intact?

Yes ☒

No ☐

Sufficient sample volume for indicated test?

Yes ☒

No ☐

All samples received within holding time?

Yes ☒

No ☐

Container or Temp Blank temperature in compliance?

Yes ☒

No ☐

Temperature Ambient °C

Water - VOA vials have zero headspace?

No VOA vials submitted ☒

Yes ☒

No ☒

Water - Samples pH checked?

Yes ☒

No ☒

Checked by: \_\_\_\_\_

Water - Samples properly preserved?

Yes ☒

No ☒

pH Adjusted? \_\_\_\_\_

Any No response must be detailed in the comments section below.

Comments:

Client / Person  
contacted:

Date contacted:

Contacted by:

Response:

**STAT Analysis Corporation**

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766

Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-

June 24, 2011

Tetra Tech EM Inc.  
1 South Wacker Drive  
37th Floor  
Chicago, IL 60606  
Telephone: (312) 946-6474  
Fax: (312) 938-0118

RE: 103DG9021.053.08, OMC, Waukegan

STAT Project No: 11060543

Dear Tom Hahne:


STAT Analysis received 5 samples for the referenced project on 6/20/2011 9:30:00 AM. The analytical results are presented in the following report.

All analyses were performed in accordance with the requirements of 35 IAC Part 186 / NELAC standards. Analyses were performed in accordance with methods as referenced on the analytical report. Those analytical results expressed on a dry weight basis are also noted on the analytical report.

All analyses were performed within established holding time criteria, and all Quality Control criteria met EPA or laboratory specifications except when noted in the Case Narrative or Analytical Report. If required, an estimate of uncertainty for the analyses can be provided. A listing of accredited methods/parameters can also be provided.

Thank you for the opportunity to serve you and I look forward to working with you in the future. If you have any questions regarding the enclosed materials, please contact me at (312) 733-0551.

Sincerely,



Catia Giannini  
Project Manager

*The information contained in this report and any attachments is confidential information intended only for the use of the individual or entities named above. The results of this report relate only to the samples tested. If you have received this report in error, please notify us immediately by phone. This report shall not be reproduced, except in its entirety, unless written approval has been obtained from the laboratory. This analytical report shall become property of the Customer upon payment in full. Otherwise, STAT will be under no obligation to support, defend or discuss the analytical report.*



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**Client:** Tetra Tech EM Inc.  
**Project:** 103DG9021.053.08, OMC, Waukegan  
**Lab Order:** 11060543

---

**Work Order Sample Summary**

---

<b>Lab Sample ID</b>	<b>Client Sample ID</b>	<b>Tag Number</b>	<b>Collection Date</b>	<b>Date Received</b>
11060543-001A	AS-S1 06-16-11		6/16/2011	6/20/2011
11060543-002A	AS-S1D 06-16-11		6/16/2011	6/20/2011
11060543-003A	AS-E1 06-16-11		6/16/2011	6/20/2011
11060543-004A	AS-N1 06-16-11		6/16/2011	6/20/2011
11060543-005A	AS-W1 06-16-11		6/16/2011	6/20/2011

---

**STAT Analysis Corporation**

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766

Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-

Date Reported: June 24, 2011

Date Printed: June 24, 2011

<b>Client:</b>	Tetra Tech EM Inc.					
<b>Project:</b>	103DG9021.053.08, OMC, Waukegan				<b>Lab Order:</b>	11060543
<b>Lab ID:</b>	11060543-001		<b>Collection Date:</b> 6/16/2011			
<b>Client Sample ID</b>	AS-S1 06-16-11		<b>Matrix:</b> Air			
<b>Analyses</b>	<b>Result</b>	<b>RL</b>	<b>Qualifier</b>	<b>Units</b>	<b>DF</b>	<b>Date Analyzed</b>
<b>Particulate Matter in Air</b>	<b>40 CFR PART 50 APP. J</b>		<b>Prep Date: 6/20/2011</b>		<b>Analyst: JP</b>	
Particulate Matter (as PM10)	32100	100		µg/filter	1	6/23/2011
<b>Lab ID:</b>	11060543-002		<b>Collection Date:</b> 6/16/2011			
<b>Client Sample ID</b>	AS-S1D 06-16-11		<b>Matrix:</b> Air			
<b>Analyses</b>	<b>Result</b>	<b>RL</b>	<b>Qualifier</b>	<b>Units</b>	<b>DF</b>	<b>Date Analyzed</b>
<b>Particulate Matter in Air</b>	<b>40 CFR PART 50 APP. J</b>		<b>Prep Date: 6/20/2011</b>		<b>Analyst: JP</b>	
Particulate Matter (as PM10)	30200	100		µg/filter	1	6/23/2011
<b>Lab ID:</b>	11060543-003		<b>Collection Date:</b> 6/16/2011			
<b>Client Sample ID</b>	AS-E1 06-16-11		<b>Matrix:</b> Air			
<b>Analyses</b>	<b>Result</b>	<b>RL</b>	<b>Qualifier</b>	<b>Units</b>	<b>DF</b>	<b>Date Analyzed</b>
<b>Particulate Matter in Air</b>	<b>40 CFR PART 50 APP. J</b>		<b>Prep Date: 6/20/2011</b>		<b>Analyst: JP</b>	
Particulate Matter (as PM10)	26000	100		µg/filter	1	6/23/2011
<b>Lab ID:</b>	11060543-004		<b>Collection Date:</b> 6/16/2011			
<b>Client Sample ID</b>	AS-N1 06-16-11		<b>Matrix:</b> Air			
<b>Analyses</b>	<b>Result</b>	<b>RL</b>	<b>Qualifier</b>	<b>Units</b>	<b>DF</b>	<b>Date Analyzed</b>
<b>Particulate Matter in Air</b>	<b>40 CFR PART 50 APP. J</b>		<b>Prep Date: 6/20/2011</b>		<b>Analyst: JP</b>	
Particulate Matter (as PM10)	16700	100		µg/filter	1	6/23/2011
<b>Lab ID:</b>	11060543-005		<b>Collection Date:</b> 6/16/2011			
<b>Client Sample ID</b>	AS-W1 06-16-11		<b>Matrix:</b> Air			
<b>Analyses</b>	<b>Result</b>	<b>RL</b>	<b>Qualifier</b>	<b>Units</b>	<b>DF</b>	<b>Date Analyzed</b>
<b>Particulate Matter in Air</b>	<b>40 CFR PART 50 APP. J</b>		<b>Prep Date: 6/20/2011</b>		<b>Analyst: JP</b>	
Particulate Matter (as PM10)	22200	100		µg/filter	1	6/23/2011

**Qualifiers:**  
ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
HT - Sample received past holding time  
\* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis  
S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range  
H - Holding time exceeded

## Page : \_\_\_\_\_ of \_\_\_\_\_

Page 4 of 5



### Sample Receipt Checklist

Client Name **TETRA CHICAGO**

Date and Time Received: **6/20/2011 9:30:00 AM**

Work Order Number **11060543**

Received by: **CDF**

Checklist completed by: \_\_\_\_\_

Signature

Date

**6/20/11**

Reviewed by: \_\_\_\_\_

Initials

Date

**CB 6/21/11**

Matrix: \_\_\_\_\_

Carrier name: **FedEx**

Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Custody seals intact on shipping container/cooler?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Custody seals intact on sample bottles?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody agrees with sample labels/containers?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Samples in proper container/bottle?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Container or Temp Blank temperature in compliance?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Temperature Ambient °C
Water - VOA vials have zero headspace?	No VOA vials submitted <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Water - Samples pH checked?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Checked by: _____
Water - Samples properly preserved?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	pH Adjusted? _____

Any No response must be detailed in the comments section below.

Comments: \_\_\_\_\_

Client / Person  
contacted: \_\_\_\_\_

Date contacted: \_\_\_\_\_

Contacted by: \_\_\_\_\_

Response: \_\_\_\_\_

**STAT Analysis Corporation**

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766

Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-

July 08, 2011

Tetra Tech EM Inc.  
1 South Wacker Drive  
37th Floor  
Chicago, IL 60606  
Telephone: (312) 856-8700  
Fax: (312) 938-0118

RE: 103DG9021.167.08, OMC, Waukegan, IL

STAT Project No: 11070093

Dear Carol Nissen:

STAT Analysis received 5 samples for the referenced project on 7/5/2011 3:00:00 PM. The analytical results are presented in the following report.

All analyses were performed in accordance with the requirements of 35 IAC Part 186 / NELAC standards. Analyses were performed in accordance with methods as referenced on the analytical report. Those analytical results expressed on a dry weight basis are also noted on the analytical report.

All analyses were performed within established holding time criteria, and all Quality Control criteria met EPA or laboratory specifications except when noted in the Case Narrative or Analytical Report. If required, an estimate of uncertainty for the analyses can be provided. A listing of accredited methods/parameters can also be provided.

Thank you for the opportunity to serve you and I look forward to working with you in the future. If you have any questions regarding the enclosed materials, please contact me at (312) 733-0551.

Sincerely,



Catia Giannini  
Project Manager

*The information contained in this report and any attachments is confidential information intended only for the use of the individual or entities named above. The results of this report relate only to the samples tested. If you have received this report in error, please notify us immediately by phone. This report shall not be reproduced, except in its entirety, unless written approval has been obtained from the laboratory. This analytical report shall become property of the Customer upon payment in full. Otherwise, STAT will be under no obligation to support, defend or discuss the analytical report.*

---

**Client:** Tetra Tech EM Inc.**Project:** 103DG9021.167.08, OMC, Waukegan, IL**Lab Order:** 11070093**Work Order Sample Summary**

---

<b>Lab Sample ID</b>	<b>Client Sample ID</b>	<b>Tag Number</b>	<b>Collection Date</b>	<b>Date Received</b>
11070093-001A	AS-S1-06-29-11		6/29/2011	7/5/2011
11070093-002A	AS-S1D-06-29-11		6/29/2011	7/5/2011
11070093-003A	AS-E1-06-29-11		6/29/2011	7/5/2011
11070093-004A	AS-W1-06-29-11		6/29/2011	7/5/2011
11070093-005A	AS-N1-06-29-11		6/29/2011	7/5/2011



**STAT Analysis Corporation**

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766

Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-

Date Reported: July 08, 2011

Date Printed: July 08, 2011

<b>Client:</b>	Tetra Tech EM Inc.					
<b>Project:</b>	103DG9021.167.08, OMC, Waukegan, IL			<b>Lab Order:</b>	11070093	
<b>Lab ID:</b>	11070093-001			<b>Collection Date:</b>	6/29/2011	
<b>Client Sample ID</b>	AS-S1-06-29-11			<b>Matrix:</b>	Air	
<b>Analyses</b>	<b>Result</b>	<b>RL</b>	<b>Qualifier</b>	<b>Units</b>	<b>DF</b>	<b>Date Analyzed</b>
<b>Particulate Matter in Air</b>	<b>40 CFR PART 50 APP. J</b>			<b>Prep Date:</b>	<b>7/5/2011</b>	<b>Analyst: JP</b>
Particulate Matter (as PM10)	19800	100		µg/filter	1	7/7/2011
<b>Lab ID:</b>	11070093-002			<b>Collection Date:</b>	6/29/2011	
<b>Client Sample ID</b>	AS-S1D-06-29-11			<b>Matrix:</b>	Air	
<b>Analyses</b>	<b>Result</b>	<b>RL</b>	<b>Qualifier</b>	<b>Units</b>	<b>DF</b>	<b>Date Analyzed</b>
<b>Particulate Matter in Air</b>	<b>40 CFR PART 50 APP. J</b>			<b>Prep Date:</b>	<b>7/5/2011</b>	<b>Analyst: JP</b>
Particulate Matter (as PM10)	16800	100		µg/filter	1	7/7/2011
<b>Lab ID:</b>	11070093-003			<b>Collection Date:</b>	6/29/2011	
<b>Client Sample ID</b>	AS-E1-06-29-11			<b>Matrix:</b>	Air	
<b>Analyses</b>	<b>Result</b>	<b>RL</b>	<b>Qualifier</b>	<b>Units</b>	<b>DF</b>	<b>Date Analyzed</b>
<b>Particulate Matter in Air</b>	<b>40 CFR PART 50 APP. J</b>			<b>Prep Date:</b>	<b>7/5/2011</b>	<b>Analyst: JP</b>
Particulate Matter (as PM10)	15200	100		µg/filter	1	7/7/2011
<b>Lab ID:</b>	11070093-004			<b>Collection Date:</b>	6/29/2011	
<b>Client Sample ID</b>	AS-W1-06-29-11			<b>Matrix:</b>	Air	
<b>Analyses</b>	<b>Result</b>	<b>RL</b>	<b>Qualifier</b>	<b>Units</b>	<b>DF</b>	<b>Date Analyzed</b>
<b>Particulate Matter in Air</b>	<b>40 CFR PART 50 APP. J</b>			<b>Prep Date:</b>	<b>7/5/2011</b>	<b>Analyst: JP</b>
Particulate Matter (as PM10)	35500	100		µg/filter	1	7/7/2011
<b>Lab ID:</b>	11070093-005			<b>Collection Date:</b>	6/29/2011	
<b>Client Sample ID</b>	AS-N1-06-29-11			<b>Matrix:</b>	Air	
<b>Analyses</b>	<b>Result</b>	<b>RL</b>	<b>Qualifier</b>	<b>Units</b>	<b>DF</b>	<b>Date Analyzed</b>
<b>Particulate Matter in Air</b>	<b>40 CFR PART 50 APP. J</b>			<b>Prep Date:</b>	<b>7/5/2011</b>	<b>Analyst: JP</b>
Particulate Matter (as PM10)	19400	100		µg/filter	1	7/7/2011

**Qualifiers:**  
ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
HT - Sample received past holding time  
\* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis  
S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range  
H - Holding time exceeded

Nº: 837416

Page : of

Page 4 of 5

**Sample Receipt Checklist**

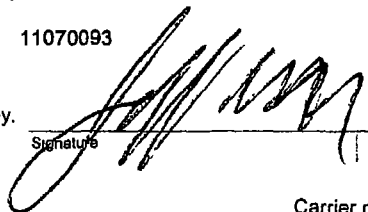
Client Name **TETRA CHICAGO**

Date and Time Received: **7/5/2011 3:00:00 PM**

Work Order Number **11070093**

Received by **JJM**

Checklist completed by: \_\_\_\_\_

 **7/5/11**  
Signature Date

Reviewed by: \_\_\_\_\_

**CS 7/6/11**  
Initials Date

Matrix. \_\_\_\_\_

Carrier name **STAT Analysis**

Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Custody seals intact on shipping container/cooler?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Custody seals intact on sample bottles?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody agrees with sample labels/containers?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Samples in proper container/bottle?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Container or Temp Blank temperature in compliance?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Temperature Ambient °C
Water - VOA vials have zero headspace?	No VOA vials submitted <input checked="" type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Water - Samples pH checked?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Checked by: _____
Water - Samples properly preserved?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	pH Adjusted? _____

Any No response must be detailed in the comments section below.

-----

Comments: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Client / Person contacted: \_\_\_\_\_ Date contacted: \_\_\_\_\_ Contacted by: \_\_\_\_\_

Response: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



**STAT Analysis Corporation**

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766

Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-

July 19, 2011

Tetra Tech EM Inc.  
1 South Wacker Drive  
37th Floor  
Chicago, IL 60606  
Telephone: (312) 856-8700  
Fax: (312) 938-0118

RE: 103G1852167-08, OMC, Waukegan

STAT Project No: 11070269

Dear Carol Nissen:

STAT Analysis received 5 samples for the referenced project on 7/11/2011 9:30:00 AM. The analytical results are presented in the following report.

All analyses were performed in accordance with the requirements of 35 IAC Part 186 / NELAC standards. Analyses were performed in accordance with methods as referenced on the analytical report. Those analytical results expressed on a dry weight basis are also noted on the analytical report.

All analyses were performed within established holding time criteria, and all Quality Control criteria met EPA or laboratory specifications except when noted in the Case Narrative or Analytical Report. If required, an estimate of uncertainty for the analyses can be provided. A listing of accredited methods/parameters can also be provided.

Thank you for the opportunity to serve you and I look forward to working with you in the future. If you have any questions regarding the enclosed materials, please contact me at (312) 733-0551.

Sincerely,



Catia Giannini  
Project Manager

*The information contained in this report and any attachments is confidential information intended only for the use of the individual or entities named above. The results of this report relate only to the samples tested. If you have received this report in error, please notify us immediately by phone. This report shall not be reproduced, except in its entirety, unless written approval has been obtained from the laboratory. This analytical report shall become property of the Customer upon payment in full. Otherwise, STAT will be under no obligation to support, defend or discuss the analytical report.*

---

**Client:** Tetra Tech EM Inc.  
**Project:** 103G1852167-08, OMC, Waukegan  
**Lab Order:** 11070269

---

**Work Order Sample Summary**

---

<b>Lab Sample ID</b>	<b>Client Sample ID</b>	<b>Tag Number</b>	<b>Collection Date</b>	<b>Date Received</b>
11070269-001A	AS-S1-7-7-11		7/7/2011	7/11/2011
11070269-002A	AS-S1D-7-7-11		7/7/2011	7/11/2011
11070269-003A	AS-E1-7-7-11		7/7/2011	7/11/2011
11070269-004A	AS-N1-7-7-11		7/7/2011	7/11/2011
11070269-005A	AS-W1-7-7-11		7/7/2011	7/11/2011

---

**STAT Analysis Corporation**

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Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-

Date Reported: July 19, 2011

Date Printed: July 19, 2011

Client: Tetra Tech EM Inc.

Project: 103G1852167-08, OMC, Waukegan

Lab Order: 11070269

Lab ID: 11070269-001

Collection Date: 7/7/2011

Client Sample ID AS-S1-7-7-11

Matrix: Air

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
----------	--------	----	-----------	-------	----	---------------

Particulate Matter in Air	40 CFR PART 50 APP. J	Prep Date: 7/11/2011	Analyst: RW	
Particulate Matter (as PM10)	40800	100	µg/filter 1	7/18/2011

Lab ID: 11070269-002

Collection Date: 7/7/2011

Client Sample ID AS-S1D-7-7-11

Matrix: Air

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
----------	--------	----	-----------	-------	----	---------------

Particulate Matter in Air	40 CFR PART 50 APP. J	Prep Date: 7/11/2011	Analyst: RW	
Particulate Matter (as PM10)	39100	100	µg/filter 1	7/18/2011

Lab ID: 11070269-003

Collection Date: 7/7/2011

Client Sample ID AS-E1-7-7-11

Matrix: Air

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
----------	--------	----	-----------	-------	----	---------------

Particulate Matter in Air	40 CFR PART 50 APP. J	Prep Date: 7/11/2011	Analyst: RW	
Particulate Matter (as PM10)	41500	100	µg/filter 1	7/18/2011

Lab ID: 11070269-004

Collection Date: 7/7/2011

Client Sample ID AS-N1-7-7-11

Matrix: Air

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
----------	--------	----	-----------	-------	----	---------------

Particulate Matter in Air	40 CFR PART 50 APP. J	Prep Date: 7/11/2011	Analyst: RW	
Particulate Matter (as PM10)	36300	100	µg/filter 1	7/18/2011

Lab ID: 11070269-005

Collection Date: 7/7/2011

Client Sample ID AS-W1-7-7-11

Matrix: Air

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
----------	--------	----	-----------	-------	----	---------------

Particulate Matter in Air	40 CFR PART 50 APP. J	Prep Date: 7/11/2011	Analyst: RW	
Particulate Matter (as PM10)	36500	100	µg/filter 1	7/18/2011

**Qualifiers:**

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

HT - Sample received past holding time

\* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded



Nº: 837417

Page : of

[illegible]

**Sample Receipt Checklist**

Client Name **TETRA CHICAGO**

Date and Time Received: **7/8/2011**

Work Order Number **11070269**

Received by: **CDF**

Checklist completed by:

Reviewed by:

Signature

Date

**7/11/11**

Initials

Date

**KL**

**7/12/11**

Matrix:

Carrier name: **FedEx**

Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Custody seals intact on shipping container/cooler?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Custody seals intact on sample bottles?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody agrees with sample labels/containers?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Samples in proper container/bottle?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Container or Temp Blank temperature in compliance?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Temperature Ambient °C
Water - VOA vials have zero headspace?	No VOA vials submitted <input checked="" type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Water - Samples pH checked?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Checked by: _____
Water - Samples properly preserved?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	pH Adjusted? _____

Any No response must be detailed in the comments section below.

Comments:

Client / Person  
contacted:

Date contacted:

Contacted by:

Response:

**STAT Analysis Corporation**

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766

Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-

July 28, 2011

Tetra Tech EM Inc.  
1 South Wacker Drive  
37th Floor  
Chicago, IL 60606  
Telephone: (312) 856-8700  
Fax: (312) 938-0118

RE: 103G1852167.08, OMC, Waukegan, IL

STAT Project No: 11070745

Dear Carol Nissen:

STAT Analysis received 5 samples for the referenced project on 7/21/2011 2:50:00 PM. The analytical results are presented in the following report.

All analyses were performed in accordance with the requirements of 35 IAC Part 186 / NELAC standards. Analyses were performed in accordance with methods as referenced on the analytical report. Those analytical results expressed on a dry weight basis are also noted on the analytical report.

All analyses were performed within established holding time criteria, and all Quality Control criteria met EPA or laboratory specifications except when noted in the Case Narrative or Analytical Report. If required, an estimate of uncertainty for the analyses can be provided. A listing of accredited methods/parameters can also be provided.

Thank you for the opportunity to serve you and I look forward to working with you in the future. If you have any questions regarding the enclosed materials, please contact me at (312) 733-0551.

Sincerely,



Catia Giannini  
Project Manager

*The information contained in this report and any attachments is confidential information intended only for the use of the individual or entities named above. The results of this report relate only to the samples tested. If you have received this report in error, please notify us immediately by phone. This report shall not be reproduced, except in its entirety, unless written approval has been obtained from the laboratory. This analytical report shall become property of the Customer upon payment in full. Otherwise, STAT will be under no obligation to support, defend or discuss the analytical report.*



---

**Client:** Tetra Tech EM Inc.**Project:** 103G1852167.08, OMC, Waukegan, IL**Lab Order:** 11070745**Work Order Sample Summary**

---

<b>Lab Sample ID</b>	<b>Client Sample ID</b>	<b>Tag Number</b>	<b>Collection Date</b>	<b>Date Received</b>
11070745-001A	AS-S1-07-13-11		7/13/2011	7/21/2011
11070745-002A	AS-S1D-07-13-11		7/13/2011	7/21/2011
11070745-003A	AS-E1-07-13-11		7/13/2011	7/21/2011
11070745-004A	AS-N1-07-13-11		7/13/2011	7/21/2011
11070745-005A	AS-W1-07-13-11		7/13/2011	7/21/2011

**STAT Analysis Corporation**

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766

Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-

Date Reported: July 28, 2011

Date Printed: July 28, 2011

<b>Client:</b>	Tetra Tech EM Inc.					
<b>Project:</b>	103G1852167.08, OMC, Waukegan, IL			<b>Lab Order:</b>	11070745	
<b>Lab ID:</b>	11070745-001			<b>Collection Date:</b>	7/13/2011	
<b>Client Sample ID</b>	AS-S1-07-13-11			<b>Matrix:</b>	Air	
<b>Analyses</b>	<b>Result</b>	<b>RL</b>	<b>Qualifier</b>	<b>Units</b>	<b>DF</b>	<b>Date Analyzed</b>
<b>Particulate Matter in Air</b>	<b>40 CFR PART 50 APP. J</b>			<b>Prep Date:</b>	<b>7/21/2011</b>	<b>Analyst: JP</b>
Particulate Matter (as PM10)	26200	100		µg/filter	1	7/26/2011
<b>Lab ID:</b>	11070745-002			<b>Collection Date:</b>	7/13/2011	
<b>Client Sample ID</b>	AS-S1D-07-13-11			<b>Matrix:</b>	Air	
<b>Analyses</b>	<b>Result</b>	<b>RL</b>	<b>Qualifier</b>	<b>Units</b>	<b>DF</b>	<b>Date Analyzed</b>
<b>Particulate Matter in Air</b>	<b>40 CFR PART 50 APP. J</b>			<b>Prep Date:</b>	<b>7/21/2011</b>	<b>Analyst: JP</b>
Particulate Matter (as PM10)	23800	100		µg/filter	1	7/26/2011
<b>Lab ID:</b>	11070745-003			<b>Collection Date:</b>	7/13/2011	
<b>Client Sample ID</b>	AS-E1-07-13-11			<b>Matrix:</b>	Air	
<b>Analyses</b>	<b>Result</b>	<b>RL</b>	<b>Qualifier</b>	<b>Units</b>	<b>DF</b>	<b>Date Analyzed</b>
<b>Particulate Matter in Air</b>	<b>40 CFR PART 50 APP. J</b>			<b>Prep Date:</b>	<b>7/21/2011</b>	<b>Analyst: JP</b>
Particulate Matter (as PM10)	23400	100		µg/filter	1	7/26/2011
<b>Lab ID:</b>	11070745-004			<b>Collection Date:</b>	7/13/2011	
<b>Client Sample ID</b>	AS-N1-07-13-11			<b>Matrix:</b>	Air	
<b>Analyses</b>	<b>Result</b>	<b>RL</b>	<b>Qualifier</b>	<b>Units</b>	<b>DF</b>	<b>Date Analyzed</b>
<b>Particulate Matter in Air</b>	<b>40 CFR PART 50 APP. J</b>			<b>Prep Date:</b>	<b>7/21/2011</b>	<b>Analyst: JP</b>
Particulate Matter (as PM10)	21000	100		µg/filter	1	7/26/2011
<b>Lab ID:</b>	11070745-005			<b>Collection Date:</b>	7/13/2011	
<b>Client Sample ID</b>	AS-W1-07-13-11			<b>Matrix:</b>	Air	
<b>Analyses</b>	<b>Result</b>	<b>RL</b>	<b>Qualifier</b>	<b>Units</b>	<b>DF</b>	<b>Date Analyzed</b>
<b>Particulate Matter in Air</b>	<b>40 CFR PART 50 APP. J</b>			<b>Prep Date:</b>	<b>7/21/2011</b>	<b>Analyst: JP</b>
Particulate Matter (as PM10)	36600	100		µg/filter	1	7/26/2011

**Qualifiers:**  
ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
HT - Sample received past holding time  
\* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis  
S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range  
H - Holding time exceeded

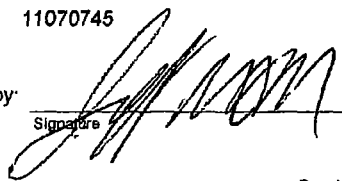

Nº: 837418

Page : of

Page 4 of 5



### Sample Receipt Checklist

Client Name	TETRA CHICAGO	Date and Time Received:	7/21/2011 2:50:00 PM
Work Order Number	11070745	Received by:	JJM
Checklist completed by:		Reviewed by:	
	Signature		Initials
	Date		Date

Matrix:	Carrier name	FedEx
---------	--------------	-------

Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Custody seals intact on shipping container/cooler?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Custody seals intact on sample bottles?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody agrees with sample labels/containers?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Samples in proper container/bottle?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Container or Temp Blank temperature in compliance?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Temperature Ambient °C
Water - VOA vials have zero headspace?	No VOA vials submitted <input checked="" type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Water - Samples pH checked?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Checked by: _____
Water - Samples properly preserved?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	pH Adjusted? _____

Any No response must be detailed in the comments section below.

-----

Comments: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Client / Person contacted:	_____	Date contacted:	_____	Contacted by:	_____
----------------------------	-------	-----------------	-------	---------------	-------

Response: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**STAT Analysis Corporation**

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766

Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-

July 28, 2011

Tetra Tech EM Inc.  
1 South Wacker Drive  
37th Floor  
Chicago, IL 60606  
Telephone: (312) 856-8700  
Fax: (312) 938-0118

RE: 103G1852167.08, OMC, Waukegan, IL

STAT Project No: 11070800

Dear Carol Nissen:

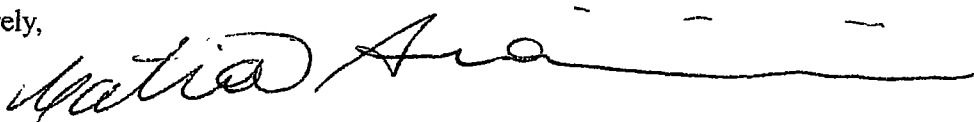
STAT Analysis received 5 samples for the referenced project on 7/22/2011 9:39:00 AM. The analytical results are presented in the following report.

All analyses were performed in accordance with the requirements of 35 IAC Part 186 / NELAC standards. Analyses were performed in accordance with methods as referenced on the analytical report. Those analytical results expressed on a dry weight basis are also noted on the analytical report.

All analyses were performed within established holding time criteria, and all Quality Control criteria met EPA or laboratory specifications except when noted in the Case Narrative or Analytical Report. If required, an estimate of uncertainty for the analyses can be provided. A listing of accredited methods/parameters can also be provided.

Thank you for the opportunity to serve you and I look forward to working with you in the future. If you have any questions regarding the enclosed materials, please contact me at (312) 733-0551.

Sincerely,



Catia Giannini  
Project Manager

*The information contained in this report and any attachments is confidential information intended only for the use of the individual or entities named above. The results of this report relate only to the samples tested. If you have received this report in error, please notify us immediately by phone. This report shall not be reproduced, except in its entirety, unless written approval has been obtained from the laboratory. This analytical report shall become property of the Customer upon payment in full. Otherwise, STAT will be under no obligation to support, defend or discuss the analytical report.*

---

**Client:** Tetra Tech EM Inc.**Project:** 103G1852167.08, OMC, Waukegan, IL**Lab Order:** 11070800**Work Order Sample Summary**

---

<b>Lab Sample ID</b>	<b>Client Sample ID</b>	<b>Tag Number</b>	<b>Collection Date</b>	<b>Date Received</b>
11070800-001A	AS-S1-07-20-11		7/20/2011	7/22/2011
11070800-002A	AS-S1D-07-20-11		7/20/2011	7/22/2011
11070800-003A	AS-E1-07-20-11		7/20/2011	7/22/2011
11070800-004A	AS-N1-07-20-11		7/20/2011	7/22/2011
11070800-005A	AS-W1-07-20-11		7/20/2011	7/22/2011



**STAT Analysis Corporation**

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766

Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-

Date Reported: July 28, 2011

Date Printed: July 28, 2011

<b>Client:</b>	Tetra Tech EM Inc.					
<b>Project:</b>	103G1852167.08, OMC, Waukegan, IL				<b>Lab Order:</b>	11070800
<b>Lab ID:</b>	11070800-001		<b>Collection Date:</b> 7/20/2011			
<b>Client Sample ID</b>	AS-S1-07-20-11		<b>Matrix:</b> Filter			
<b>Analyses</b>	<b>Result</b>	<b>RL</b>	<b>Qualifier</b>	<b>Units</b>	<b>DF</b>	<b>Date Analyzed</b>
<b>Particulate Matter in Air</b>	<b>40 CFR PART 50 APP. J</b>		<b>Prep Date: 7/22/2011</b>		<b>Analyst: JP</b>	
Particulate Matter (as PM10)	99400	100		µg/filter	1	7/26/2011
<b>Lab ID:</b>	11070800-002		<b>Collection Date:</b> 7/20/2011			
<b>Client Sample ID</b>	AS-S1D-07-20-11		<b>Matrix:</b> Filter			
<b>Analyses</b>	<b>Result</b>	<b>RL</b>	<b>Qualifier</b>	<b>Units</b>	<b>DF</b>	<b>Date Analyzed</b>
<b>Particulate Matter in Air</b>	<b>40 CFR PART 50 APP. J</b>		<b>Prep Date: 7/22/2011</b>		<b>Analyst: JP</b>	
Particulate Matter (as PM10)	88400	100		µg/filter	1	7/26/2011
<b>Lab ID:</b>	11070800-003		<b>Collection Date:</b> 7/20/2011			
<b>Client Sample ID</b>	AS-E1-07-20-11		<b>Matrix:</b> Filter			
<b>Analyses</b>	<b>Result</b>	<b>RL</b>	<b>Qualifier</b>	<b>Units</b>	<b>DF</b>	<b>Date Analyzed</b>
<b>Particulate Matter in Air</b>	<b>40 CFR PART 50 APP. J</b>		<b>Prep Date: 7/22/2011</b>		<b>Analyst: JP</b>	
Particulate Matter (as PM10)	56300	100		µg/filter	1	7/26/2011
<b>Lab ID:</b>	11070800-004		<b>Collection Date:</b> 7/20/2011			
<b>Client Sample ID</b>	AS-N1-07-20-11		<b>Matrix:</b> Filter			
<b>Analyses</b>	<b>Result</b>	<b>RL</b>	<b>Qualifier</b>	<b>Units</b>	<b>DF</b>	<b>Date Analyzed</b>
<b>Particulate Matter in Air</b>	<b>40 CFR PART 50 APP. J</b>		<b>Prep Date: 7/22/2011</b>		<b>Analyst: JP</b>	
Particulate Matter (as PM10)	42800	100		µg/filter	1	7/26/2011
<b>Lab ID:</b>	11070800-005		<b>Collection Date:</b> 7/20/2011			
<b>Client Sample ID</b>	AS-W1-07-20-11		<b>Matrix:</b> Filter			
<b>Analyses</b>	<b>Result</b>	<b>RL</b>	<b>Qualifier</b>	<b>Units</b>	<b>DF</b>	<b>Date Analyzed</b>
<b>Particulate Matter in Air</b>	<b>40 CFR PART 50 APP. J</b>		<b>Prep Date: 7/22/2011</b>		<b>Analyst: JP</b>	
Particulate Matter (as PM10)	38100	100		µg/filter	1	7/26/2011

**Qualifiers:**  
ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
HT - Sample received past holding time  
\* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis  
S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range  
H - Holding time exceeded

# IEST America

THE LEADER IN ENVIRONMENTAL TESTING

2417 Bond Street, University Park, IL 60484  
Phone: 708.534.5200 Fax: 708.534.5211

Report To Tom Hahn  
Contact: \_\_\_\_\_  
Company: \_\_\_\_\_  
Address: \_\_\_\_\_  
Address: \_\_\_\_\_  
Phone: \_\_\_\_\_  
Fax: \_\_\_\_\_  
E-Mail: \_\_\_\_\_

Bill To \_\_\_\_\_  
(optional)  
Contact: \_\_\_\_\_  
Company: \_\_\_\_\_  
Address: \_\_\_\_\_  
Address: \_\_\_\_\_  
Phone: \_\_\_\_\_  
Fax: \_\_\_\_\_  
PO#/Reference# \_\_\_\_\_

## Chain of Custody Record

Lab Job #: \_\_\_\_\_

Chain of Custody Number: \_\_\_\_\_

Page \_\_\_\_\_ of \_\_\_\_\_

Temperature °C of Cooler: \_\_\_\_\_

Client <u>Tetra Tech</u>		Client Project # <u>10361852167-08</u>		Preservative												<b>Preservative Key</b> 1. HCL, Cool to 4° 2. H2SO4, Cool to 4° 3. HNO3, Cool to 4° 4. NaOH, Cool to 4° 5. NaOH/Zn, Cool to 4° 6. NaHSO4 7. Cool to 4° 8. None 9. Other		
Project Name <u>OMC</u>				Parameter														
Project Location/State <u>Waukegan IL</u>		Lab Project #																
Sample # <u>Carol NISSE</u>		Lab PM																
Lab ID	MS/MSD	Sample ID	Date	Time	# of Containers	Matrix											Comments	
		AS-S1-07-20-11	7/20/11	24h	1	FILTR	X											001
		AS-S1D-07-20-11			1		X											002
		AS-E1-07-20-11			1		X											003
		AS-N1-07-20-11			1		X											004
		AS-W1-07-20-11			1		X											005

Page 4 of 5

Turnaround Time Required (Business Days) Normal TAT  
 1 Day 2 Days 5 Days 7 Days 10 Days 15 Days Other  
 Requested Due Date \_\_\_\_\_

Sample Disposal  
☐ Return to Client ☐ Disposal by Lab ☐ Archive for \_\_\_\_\_ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By <u>Carol Nisse</u>	Company <u>Tetra Tech</u>	Date <u>7/20/11</u>	Time <u>1430h</u>	Received By <u>[Signature]</u>	Company _____	Date <u>7/22/11</u>	Time <u>939</u>
Relinquished By _____	Company _____	Date _____	Time _____	Received By _____	Company _____	Date _____	Time _____
Relinquished By _____	Company _____	Date _____	Time _____	Received By _____	Company _____	Date _____	Time _____

Lab Counter \_\_\_\_\_

Shipped \_\_\_\_\_

Hand Delivered \_\_\_\_\_

**Matrix Key**  
 WW - Wastewater SE - Sediment  
 W - Water SO - Soil  
 S - Soil L - Leachate  
 SL - Sludge WI - Wipe  
 MS - Miscellaneous DW - Drinking Water  
 OL - Oil O - Other  
 A - Air

Client Comments  
Report as ug/L filter

Lab Comments:  
11070800

**Sample Receipt Checklist**

Client Name **TETRA CHICAGO**

Date and Time Received: **7/22/2011 9:39:00 AM**

Work Order Number **11070800**

Received by: **CIG**

Checklist completed by: *[Signature]* 7/22/11  
Signature Date

Reviewed by: *CIG* 7/25/11  
Initials Date

Matrix:

Carrier name FedEx

Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Custody seals intact on shipping container/cooler?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Custody seals intact on sample bottles?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody agrees with sample labels/containers?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Samples in proper container/bottle?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Container or Temp Blank temperature in compliance?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Temperature Ambient °C
Water - VOA vials have zero headspace?	No VOA vials submitted <input checked="" type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Water - Samples pH checked?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Checked by: _____
Water - Samples properly preserved?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	pH Adjusted? _____

Any No response must be detailed in the comments section below.

-----

Comments: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Client / Person contacted: \_\_\_\_\_ Date contacted: \_\_\_\_\_ Contacted by: \_\_\_\_\_

Response: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_



**STAT Analysis Corporation**

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766

Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-

August 04, 2011

Tetra Tech EM Inc.  
1 South Wacker Drive  
37th Floor  
Chicago, IL 60606  
Telephone: (312) 946-6474  
Fax: (312) 938-0118

RE: 103G1852167.08, OMC, Waukegan, IL

STAT Project No: 11071098

Dear Tom Hahne:

STAT Analysis received 5 samples for the referenced project on 7/28/2011 11:00:00 AM. The analytical results are presented in the following report.

All analyses were performed in accordance with the requirements of 35 IAC Part 186 / NELAC standards. Analyses were performed in accordance with methods as referenced on the analytical report. Those analytical results expressed on a dry weight basis are also noted on the analytical report.

All analyses were performed within established holding time criteria, and all Quality Control criteria met EPA or laboratory specifications except when noted in the Case Narrative or Analytical Report. If required, an estimate of uncertainty for the analyses can be provided. A listing of accredited methods/parameters can also be provided.

Thank you for the opportunity to serve you and I look forward to working with you in the future. If you have any questions regarding the enclosed materials, please contact me at (312) 733-0551.

Sincerely,



Catia Giannini  
Project Manager

*The information contained in this report and any attachments is confidential information intended only for the use of the individual or entities named above. The results of this report relate only to the samples tested. If you have received this report in error, please notify us immediately by phone. This report shall not be reproduced, except in its entirety, unless written approval has been obtained from the laboratory. This analytical report shall become property of the Customer upon payment in full. Otherwise, STAT will be under no obligation to support, defend or discuss the analytical report.*

---

**Client:** Tetra Tech EM Inc.**Project:** 103G1852167.08, OMC, Waukegan, IL**Lab Order:** 11071098**Work Order Sample Summary**

---

<b>Lab Sample ID</b>	<b>Client Sample ID</b>	<b>Tag Number</b>	<b>Collection Date</b>	<b>Date Received</b>
11071098-001A	AS-S1-07-26-11		7/26/2011	7/28/2011
11071098-002A	AS-S1D-07-26-11		7/26/2011	7/28/2011
11071098-003A	AS-W1-07-26-11		7/26/2011	7/28/2011
11071098-004A	AS-N1-07-26-11		7/26/2011	7/28/2011
11071098-005A	AS-E1-07-26-11		7/26/2011	7/28/2011

**STAT Analysis Corporation**

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766

Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-

Date Reported: August 04, 2011

Date Printed: August 04, 2011

<b>Client:</b>	Tetra Tech EM Inc.					
<b>Project:</b>	103G1852167.08, OMC, Waukegan, IL				<b>Lab Order:</b>	11071098
<b>Lab ID:</b>	11071098-001		<b>Collection Date:</b>	7/26/2011		
<b>Client Sample ID</b>	AS-S1-07-26-11		<b>Matrix:</b>	Air		
<b>Analyses</b>	<b>Result</b>	<b>RL</b>	<b>Qualifier</b>	<b>Units</b>	<b>DF</b>	<b>Date Analyzed</b>
<b>Particulate Matter in Air</b>	<b>40 CFR PART 50 APP. J</b>		<b>Prep Date:</b>	<b>7/28/2011</b>	<b>Analyst:</b>	<b>RW</b>
Particulate Matter (as PM10)	33500	100	µg/filter	1		8/1/2011
<b>Lab ID:</b>	11071098-002		<b>Collection Date:</b>	7/26/2011		
<b>Client Sample ID</b>	AS-S1D-07-26-11		<b>Matrix:</b>	Air		
<b>Analyses</b>	<b>Result</b>	<b>RL</b>	<b>Qualifier</b>	<b>Units</b>	<b>DF</b>	<b>Date Analyzed</b>
<b>Particulate Matter in Air</b>	<b>40 CFR PART 50 APP. J</b>		<b>Prep Date:</b>	<b>7/28/2011</b>	<b>Analyst:</b>	<b>RW</b>
Particulate Matter (as PM10)	32800	100	µg/filter	1		8/1/2011
<b>Lab ID:</b>	11071098-003		<b>Collection Date:</b>	7/26/2011		
<b>Client Sample ID</b>	AS-W1-07-26-11		<b>Matrix:</b>	Air		
<b>Analyses</b>	<b>Result</b>	<b>RL</b>	<b>Qualifier</b>	<b>Units</b>	<b>DF</b>	<b>Date Analyzed</b>
<b>Particulate Matter in Air</b>	<b>40 CFR PART 50 APP. J</b>		<b>Prep Date:</b>	<b>7/28/2011</b>	<b>Analyst:</b>	<b>RW</b>
Particulate Matter (as PM10)	35000	100	µg/filter	1		8/1/2011
<b>Lab ID:</b>	11071098-004		<b>Collection Date:</b>	7/26/2011		
<b>Client Sample ID</b>	AS-N1-07-26-11		<b>Matrix:</b>	Air		
<b>Analyses</b>	<b>Result</b>	<b>RL</b>	<b>Qualifier</b>	<b>Units</b>	<b>DF</b>	<b>Date Analyzed</b>
<b>Particulate Matter in Air</b>	<b>40 CFR PART 50 APP. J</b>		<b>Prep Date:</b>	<b>7/28/2011</b>	<b>Analyst:</b>	<b>RW</b>
Particulate Matter (as PM10)	27200	100	µg/filter	1		8/1/2011
<b>Lab ID:</b>	11071098-005		<b>Collection Date:</b>	7/26/2011		
<b>Client Sample ID</b>	AS-E1-07-26-11		<b>Matrix:</b>	Air		
<b>Analyses</b>	<b>Result</b>	<b>RL</b>	<b>Qualifier</b>	<b>Units</b>	<b>DF</b>	<b>Date Analyzed</b>
<b>Particulate Matter in Air</b>	<b>40 CFR PART 50 APP. J</b>		<b>Prep Date:</b>	<b>7/28/2011</b>	<b>Analyst:</b>	<b>RW</b>
Particulate Matter (as PM10)	23900	100	µg/filter	1		8/1/2011

**Qualifiers:**

ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
HT - Sample received past holding time  
\* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis  
S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range  
H - Holding time exceeded



# TESTAmerica

THE LEADER IN ENVIRONMENTAL TESTING

2417 Bond Street, University Park, IL 60484  
Phone: 708.534.5200 Fax: 708.534.5211

Report To: Tom Hahn  
Contact: \_\_\_\_\_  
Company: \_\_\_\_\_  
Address: \_\_\_\_\_  
Address: \_\_\_\_\_  
Phone: \_\_\_\_\_  
Fax: \_\_\_\_\_  
E-Mail: \_\_\_\_\_

Bill To: \_\_\_\_\_  
Contact: \_\_\_\_\_  
Company: \_\_\_\_\_  
Address: \_\_\_\_\_  
Address: \_\_\_\_\_  
Phone: \_\_\_\_\_  
Fax: \_\_\_\_\_  
PO#Reference# \_\_\_\_\_

## Chain of Custody Record

Lab Job #: 11071098

Chain of Custody Number: \_\_\_\_\_

Page \_\_\_\_\_ of \_\_\_\_\_

Temperature °C of Cooler: \_\_\_\_\_

Client		Client Project #		Preservative		Parameter		Sample ID		Sampling		# of Containers		Matrix		Comments	
Lab ID	MS/MSD	Sample ID	Date	Time													
		AS-S1-07-26-11	7-26-11	24h	1	Filter											001
		AS-S12-07-26-11			1												002
		AS-W1-07-26-11			1												003
		AS-N1-07-26-11			1												004
		AS-E1-07-26-11			1												005

Page 4 of 5

Turnaround Time Required (Business Days)

☐ 1 Day ☐ 2 Days ☐ 5 Days ☐ 7 Days ☐ 10 Days ☐ 15 Days ☐ Other

Requested Due Date \_\_\_\_\_

Sample Disposal

☐ Return to Client

☐ Disposal by Lab

☐ Archive for \_\_\_\_\_ Months

(A fee may be assessed if samples are retained longer than 1 month)

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
<u>Carol Nisse</u>	<u>TetraTech</u>	<u>7/26/11</u>	<u>1400</u>	<u>[Signature]</u>	<u>STHT</u>	<u>7/26/11</u>	<u>1100</u>
Relinquished By	Company	Date	Time	Received By	Company	Date	Time
Relinquished By	Company	Date	Time	Received By	Company	Date	Time

Lab Courier \_\_\_\_\_

Shipped \_\_\_\_\_

Hand Delivered \_\_\_\_\_

Matrix Key

WW - Wastewater  
W - Water  
S - Soil  
SL - Sludge  
MS - Miscellaneous  
OL - Oil  
A - Air  
SE - Sediment  
SO - Soil  
L - Leachate  
WI - Wipe  
DW - Drinking Water  
O - Other

Client Comments

Report as ug / filter

Lab Comments:

**Sample Receipt Checklist**

Client Name **TETRA CHICAGO**

Date and Time Received: **7/28/2011 11:00:00 AM**

Work Order Number **11071098**

Received by: **CDF**

Checklist completed by: \_\_\_\_\_

Reviewed by: \_\_\_\_\_

Signature

Date

Initials

Date

Matrix: \_\_\_\_\_

Carrier name: **FedEx**

Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Custody seals intact on shipping container/cooler?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Custody seals intact on sample bottles?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody agrees with sample labels/containers?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Samples in proper container/bottle?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Container or Temp Blank temperature in compliance?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Temperature Ambient °C
Water - VOA vials have zero headspace?	No VOA vials submitted <input checked="" type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Water - Samples pH checked?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Checked by: _____
Water - Samples properly preserved?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	pH Adjusted? _____

Any No response must be detailed in the comments section below.

Comments: \_\_\_\_\_

Client / Person  
contacted: \_\_\_\_\_

Date contacted: \_\_\_\_\_

Contacted by: \_\_\_\_\_

Response: \_\_\_\_\_

**Appendix E**  
**Well Abandonment Forms**



ILLINOIS DEPARTMENT OF PUBLIC HEALTH  
DIVISION OF ENVIRONMENTAL HEALTH  
525 W. JEFFERSON ST.  
SPRINGFIELD, IL 62761

## WATER WELL SEALING FORM

PDF FILLABLE/SAVABLE

RETURN ALL COPIES TO IDPH OR  
LOCAL HEALTH DEPARTMENT

This form shall be submitted to this department or the local health department not more than 30 days after a water well boring or monitoring well is sealed. Such wells are to be sealed not more than 30 days after they are abandoned in accordance with the sealing requirements in the Illinois Water Well Construction Code. THE LOCAL HEALTH DEPARTMENT OR REGIONAL PUBLIC HEALTH DEPARTMENT MUST BE NOTIFIED AT LEAST 48 HOURS PRIOR TO SEALING.

1. Ownership (Name of Controlling Party)

U.S. EPA

2. Well Location: Well Site Address

90 East Seahorse Drive

City Waukegan

Zip 60085

Lot #

Land I.D.#

IW-514

County Lake

Township 45N

Range 12E

Section 15

SE

Quarter of the SW

Quarter of the

Quarter

GPS: North

Degrees 42

Minutes 22

Seconds 13.7

West

Degrees 87

Minutes 49

Seconds 21.1

Report decimal minutes to minutes and seconds by multiplying the decimal part of the minutes by 60, e.g. latitude 38 degrees 46.07 minutes N would be latitude 38 degrees 46 minutes 4.2 seconds (0.07 x 60 = 4.2) N. Report GPS coordinates to the nearest 0.1 second.

3. Year Drilled

4. Drilling Permit Number (and date, if known)

5. Type of Well

Monitoring

6. Total Depth (ft.)

15.2

Diameter (in.)

2

7. Formation clear of obstruction

Yes

8. Details of Plugging (bentonite, neat cement or other materials)

Filled with

Bentonite 3/8-inch plug

From (ft.)

0

to (ft.)

15.2

Kind of plug

From (ft.)

to (ft.)

Filled with

From (ft.)

to (ft.)

Kind of plug

From (ft.)

to (ft.)

Filled with

From (ft.)

to (ft.)

Kind of plug

From (ft.)

to (ft.)

9. CASING RECORD Upper 2 feet of casing removed

No

10. Date well was sealed

Jul 27, 2010

11. Licensed water well driller or other person approved by the Department performing well sealing

Name

Carol Nissen, PG

Complete License Number

196000346

Address

1 South Wacker Drive, Suite 3

City

Chicago

State

Illinois

Zip Code

60606

This state agency is requesting disclosure of information that is necessary to accomplish the statutory purpose as outlined under Public Act 0863. Disclosure of this information is mandatory. This form has been approved by the Forms Management Center. IL 482-0631- Revised 5/09

Questions regarding the completion of this form should be directed to the local health department or the Illinois Department of Public Health 217-782-5830, TTY (for hearing impaired only) 800-547-0466.



## WATER WELL SEALING FORM

PDF FILLABLE/SAVABLE

RETURN ALL COPIES TO IDPH OR  
LOCAL HEALTH DEPARTMENT

This form shall be submitted to this department or the local health department not more than 90 days after a water well monitoring or monitoring well is sealed. Such wells are to be sealed not more than 90 days after they are abandoned in accordance with the sealing requirements in the Illinois Water Well Construction Code. THE LOCAL HEALTH DEPARTMENT OR REGIONAL PUBLIC HEALTH DEPARTMENT MUST BE NOTIFIED AT LEAST 48 HOURS PRIOR TO SEALING.

1. Ownership (Name of Controlling Party)

U.S. EPA

2. Well Location: Well Site Address

90 East Seahorse Drive

City

Waukegan

Zip

60085

Lot #

Land I.D.#

MW-502D

County

Lake

Township

45N

Range

12E

Section

15

SE

Quarter of the

SW

Quarter of the

Quarter

GPS: North

Degrees

42

Minutes

22

Seconds

15.1

West

Degrees

87

Minutes

49

Seconds

22.5

Report decimal minutes to minutes and seconds by multiplying the decimal part of the minutes by 60, e.g. latitude 38 degrees 46.07 minutes N would be latitude 38 degrees 46 minutes 4.2 seconds (0.07 x 60 = 4.2) N. Report GPS coordinates to the nearest 0.1 second.

3. Year Drilled

4. Drilling Permit Number (and date, if known)

5. Type of Well

Monitoring

6. Total Depth (ft.)

25.9

Diameter (in.)

2

7. Formation clear of obstruction

Yes

8. Details of Plugging (bentonite, neat cement or other materials)

Filled with

Bentonite 3/8-inch plug

From (ft.)

0

to (ft.)

25.9

Kind of plug

From (ft.)

to (ft.)

Filled with

From (ft.)

to (ft.)

Kind of plug

From (ft.)

to (ft.)

Filled with

From (ft.)

to (ft.)

Kind of plug

From (ft.)

to (ft.)

9. CASING RECORD Upper 2 feet of casing removed

No

10. Date well was sealed

Jul 27, 2010

11. Licensed water well driller or other person approved by the Department performing well sealing

Name

Carol Nissen, PG

Complete License Number

196000346

Address

1 South Wacker Drive, Suite 201

City

Chicago

State

Illinois

Zip Code

60606

This state agency is requesting disclosure of information that is necessary to accomplish the statutory purpose as outlined under Public Act-0863. Disclosure of this information is mandatory. This form has been approved by the Forms Management Center. IL 482-0631- Revised 5/09

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ILLINOIS DEPARTMENT OF PUBLIC HEALTH  
DIVISION OF ENVIRONMENTAL HEALTH  
525 W. JEFFERSON ST.  
SPRINGFIELD, IL 62761

## WATER WELL SEALING FORM

PDF FILLABLE/SAVABLE

RETURN ALL COPIES TO IDPH OR  
LOCAL HEALTH DEPARTMENT

This form shall be submitted to this Department or the local health department not more than 30 days after a water well boring or monitoring well is sealed. Such wells are to be sealed not more than 30 days after they are abandoned in accordance with the sealing requirements in the Illinois Water Well Construction Code. THE LOCAL HEALTH DEPARTMENT OR REGIONAL PUBLIC HEALTH DEPARTMENT MUST BE NOTIFIED AT LEAST 48 HOURS PRIOR TO SEALING.

1. Ownership (Name of Controlling Party)

U.S. EPA

2. Well Location: Well Site Address

90 East Seahorse Drive

City

Waukegan

Zip

60085

Lot #

Land I.D.#

MW-5025

County

Lake

Township

45N

Range

12E

Section

15

SE

Quarter of the

SW

Quarter of the

Quarter

GPS: North

Degrees

42

Minutes

22

Seconds

15

West

Degrees

87

Minutes

49

Seconds

22.5

Report decimal minutes to minutes and seconds by multiplying the decimal part of the minutes by 60, e.g. latitude 38 degrees 46.07 minutes N would be latitude 38 degrees 46 minutes 4.2 seconds (0.07 x 60 = 4.2) N. Report GPS coordinates to the nearest 0.1 second.

3. Year Drilled

4. Drilling Permit Number (and date, if known)

5. Type of Well

Monitoring

6. Total Depth (ft.)

9.95

Diameter (in.)

2

7. Formation clear of obstruction

Yes

8. Details of Plugging (bentonite, neat cement or other materials)

Filled with

Bentonite 3/8-inch plug

From (ft.)

0

to (ft.)

9.95

Kind of plug

From (ft.)

to (ft.)

Filled with

From (ft.)

to (ft.)

Kind of plug

From (ft.)

to (ft.)

Filled with

From (ft.)

to (ft.)

Kind of plug

From (ft.)

to (ft.)

9. CASING RECORD Upper 2 feet of casing removed

No

10. Date well was sealed

Jul 27, 2010

11. Licensed water well driller or other person approved by the Department performing well sealing

Name

Carol Nissen, PG

Complete License Number

196000346

Address

1 South Wacker Drive, Suite 300

City

Chicago

State

Illinois

Zip Code

60606

This state agency is requesting disclosure of information that is necessary to accomplish the statutory purpose as outlined under Public Act-0883. Disclosure of this information is mandatory. This form has been approved by the Forms Management Center. IL 482-0631- Revised 5/09

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ILLINOIS DEPARTMENT OF PUBLIC HEALTH  
DIVISION OF ENVIRONMENTAL HEALTH  
525 W. JEFFERSON ST.  
SPRINGFIELD, IL 62761



WATER WELL SEALING FORM

PDF FILLABLE/SAVABLE

RETURN ALL COPIES TO IDPH OR  
LOCAL HEALTH DEPARTMENT

This form shall be submitted to this Department or the local health department not more than 30 days after a water well boring or monitoring well is sealed. Such wells are to be sealed not more than 30 days after they are abandoned in accordance with the sealing equipment in the Illinois Water Well Construction Code. THE LOCAL HEALTH DEPARTMENT OR REGIONAL PUBLIC HEALTH DEPARTMENT MUST BE NOTIFIED AT LEAST 48 HOURS PRIOR TO SEALING.

1. Ownership (Name of Controlling Party)

U.S. EPA

2. Well Location: Well Site Address

90 East Seahorse Drive

City

Waukegan

Zip

60085

Lot #

Land I.D.#

MW-503D

County

Lake

Township

45N

Range

12E

Section

15

SE

Quarter of the

SW

Quarter of the

Quarter

GPS: North

Degrees

42

Minutes

22

Seconds

14.6

West

Degrees

87

Minutes

49

Seconds

16.6

Report decimal minutes to minutes and seconds by multiplying the decimal part of the minutes by 60, e.g. latitude 38 degrees 46.07 minutes N would be latitude 38 degrees 46 minutes 4.2 seconds (0.07 x 60 = 4.2) N. Report GPS coordinates to the nearest 0.1 second.

3. Year Drilled

4. Drilling Permit Number (and date, if known)

5. Type of Well

Monitoring

6. Total Depth (ft.)

23.65

Diameter (in.)

2

7. Formation clear of obstruction

Yes

8. Details of Plugging (bentonite, neat cement or other materials)

Filled with

Bentonite 3/8-inch plug

From (ft.)

0

to (ft.)

23.65

Kind of plug

From (ft.)

to (ft.)

Filled with

From (ft.)

to (ft.)

Kind of plug

From (ft.)

to (ft.)

Filled with

From (ft.)

to (ft.)

Kind of plug

From (ft.)

to (ft.)

9. CASING RECORD Upper 2 feet of casing removed

No

10. Date well was sealed

Jul 27, 2010

11. Licensed water well driller or other person approved by the Department performing well sealing

Name

Carol Nissen, PG

Complete License Number

19600346

Address

1 South Wacker Drive, Suite 3

City

Chicago

State

Illinois

Zip Code

60606

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ILLINOIS DEPARTMENT OF PUBLIC HEALTH  
DIVISION OF ENVIRONMENTAL HEALTH  
525 W. JEFFERSON ST.  
SPRINGFIELD, IL 62761



WATER WELL SEALING FORM

PDF FILLABLE/SAVABLE

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LOCAL HEALTH DEPARTMENT

This form shall be submitted to this Department or the local health department not more than 30 days after a water well boring or monitoring well is sealed. Such wells are to be sealed not more than 30 days after they are abandoned in accordance with the sealing requirements in the Illinois Water Well Construction Code. THE LOCAL HEALTH DEPARTMENT OR REGIONAL PUBLIC HEALTH DEPARTMENT MUST BE NOTIFIED AT LEAST 48 HOURS PRIOR TO SEALING.

1. Ownership (Name of Controlling Party)

U.S. EPA

2. Well Location: Well Site Address

90 East Seahorse Drive

City

Waukegan

Zip

60085

Lot #

Land I.D.#

MW-5035

County

Lake

Township

45N

Range

12E

Section

15

SE

Quarter of the

SW

Quarter of the

Quarter

GPS: North

Degrees

42

Minutes

22

Seconds

14.6

West

Degrees

87

Minutes

49

Seconds

16.6

Report decimal minutes to minutes and seconds by multiplying the decimal part of the minutes by 60, e.g. latitude 38 degrees 46.07 minutes N would be latitude 38 degrees 46 minutes 4.2 seconds (0.07 x 60 = 4.2) N. Report GPS coordinates to the nearest 0.1 second.

3. Year Drilled

4. Drilling Permit Number (and date, if known)

5. Type of Well

Monitoring

6. Total Depth (ft.)

7.4

Diameter (in.)

2

7. Formation clear of obstruction

Yes

8. Details of Plugging (bentonite, neat cement or other materials)

Filled with

Bentonite 3/8-inch plug

From (ft.)

0

to (ft.)

7.4

Kind of plug

From (ft.)

to (ft.)

Filled with

From (ft.)

to (ft.)

Kind of plug

From (ft.)

to (ft.)

Filled with

From (ft.)

to (ft.)

Kind of plug

From (ft.)

to (ft.)

9. CASING RECORD Upper 2 feet of casing removed

No

10. Date well was sealed

Jul 27, 2010

11. Licensed water well driller or other person approved by the Department performing well sealing

Name

Carol Nissen, PG

Complete License Number

196000346

Address

1 South Wacker Drive, Suite 300

City

Chicago

State

Illinois

Zip Code

60606

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## WATER WELL SEALING FORM

PDF FILLABLE/SAVABLE

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LOCAL HEALTH DEPARTMENT

This form shall be submitted to this Department or the local health department not more than 30 days after a water well boring or monitoring well is sealed. Such wells are to be sealed not more than 30 days after they are abandoned in accordance with the sealing requirements in the Illinois Water Well Construction Code. THE LOCAL HEALTH DEPARTMENT OR REGIONAL PUBLIC HEALTH DEPARTMENT MUST BE NOTIFIED AT LEAST 48 HOURS PRIOR TO SEALING.

1. Ownership (Name of Controlling Party)

U.S. EPA

2. Well Location: Well Site Address

90 East Seahorse Drive

City

Waukegan

Zip

60085

Lot #

Land I.D.#

MW-507D

County

Lake

Township

45N

Range

12E

Section

15

SE

Quarter of the

SW

Quarter of the

Quarter

GPS: North

Degrees

42

Minutes

22

Seconds

11.5

West

Degrees

87

Minutes

49

Seconds

10.3

Report decimal minutes to minutes and seconds by multiplying the decimal part of the minutes by 60, e.g. latitude 38 degrees 46.07 minutes N would be latitude 38 degrees 46 minutes 4.2 seconds (0.07 x 60 = 4.2) N. Report GPS coordinates to the nearest 0.1 second.

3. Year Drilled

4. Drilling Permit Number (and date, if known)

5. Type of Well

Monitoring

6. Total Depth (ft.)

26.2

Diameter (in.)

2

7. Formation clear of obstruction

Yes

8. Details of Plugging (bentonite, neat cement or other materials)

Filled with

Bentonite 3/8-inch plug

From (ft.)

0

to (ft.)

26.2

Kind of plug

From (ft.)

to (ft.)

Filled with

From (ft.)

to (ft.)

Kind of plug

From (ft.)

to (ft.)

Filled with

From (ft.)

to (ft.)

Kind of plug

From (ft.)

to (ft.)

9. CASING RECORD Upper 2 feet of casing removed

No

10. Date well was sealed

Jul 27, 2010

11. Licensed water well driller or other person approved by the Department performing well sealing

Name

Carol Nissen, PG

Complete License Number

196000346

Address

1 South Wacker Drive, Suite 300

City

Chicago

State

Illinois

Zip Code

60606

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ILLINOIS DEPARTMENT OF PUBLIC HEALTH  
DIVISION OF ENVIRONMENTAL HEALTH  
525 W. JEFFERSON ST.  
SPRINGFIELD, IL 62761



WATER WELL SEALING FORM

PDF FILLABLE/SAVABLE

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LOCAL HEALTH DEPARTMENT

This form shall be submitted to this Department or the local health department not more than 30 days after a water well boring or monitoring well is sealed. Such wells are to be sealed not more than 30 days after they are abandoned in accordance with the sealing requirements in the Illinois Water Well Construction Code. THE LOCAL HEALTH DEPARTMENT OR REGIONAL PUBLIC HEALTH DEPARTMENT MUST BE NOTIFIED AT LEAST 48 HOURS PRIOR TO SEALING.

1. Ownership (Name of Controlling Party)

U.S. EPA

2. Well Location: Well Site Address

90 East Seahorse Drive

City Waukegan

Zip 60085

Lot #

Land I.D.#

MW-5075

County

Lake

Township

45N

Range

12E

Section

15

SE

Quarter of the

SW

Quarter of the

Quarter

GPS: North  
Degrees

42

Minutes

22

Seconds

11.5

West  
Degrees

87

Minutes

49

Seconds

10.2

Report decimal minutes to minutes and seconds by multiplying the decimal part of the minutes by 60, e.g. latitude 38 degrees 46.07 minutes N would be latitude 38 degrees 46 minutes 4.2 seconds (0.07 x 60 = 4.2) N. Report GPS coordinates to the nearest 0.1 second.

3. Year Drilled

4. Drilling Permit Number (and date, if known)

5. Type of Well

Monitoring

6. Total Depth (ft.)

9.7

Diameter (in.)

2

7. Formation clear of obstruction

Yes

8. Details of Plugging (bentonite, neat cement or other materials)

Filled with

Bentonite 3/8-inch plug

From (ft.)

0

to (ft.)

9.7

Kind of plug

From (ft.)

to (ft.)

Filled with

From (ft.)

to (ft.)

Kind of plug

From (ft.)

to (ft.)

Filled with

From (ft.)

to (ft.)

Kind of plug

From (ft.)

to (ft.)

9. CASING RECORD Upper 2 feet of casing removed

No

10. Date well was sealed

Jul 27, 2010

11. Licensed water well driller or other person approved by the Department performing well sealing

Name

Carol Nissen, PG

Complete License Number

196000346

Address

1 South Wacker Drive, Suite 3

City

Chicago

State

Illinois

Zip Code

60606

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ILLINOIS DEPARTMENT OF PUBLIC HEALTH  
DIVISION OF ENVIRONMENTAL HEALTH  
525 W. JEFFERSON ST.  
SPRINGFIELD, IL 62761



WATER WELL SEALING FORM

PDF FILLABLE/SAVABLE

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LOCAL HEALTH DEPARTMENT

This form shall be submitted to this Department or the local health department not more than 30 days after a water well boring or monitoring well is sealed. Such wells are to be sealed not more than 30 days after they are abandoned in accordance with the sealing requirements in the Illinois Water Well Construction Code. THE LOCAL HEALTH DEPARTMENT OR REGIONAL PUBLIC HEALTH DEPARTMENT MUST BE NOTIFIED AT LEAST 48 HOURS PRIOR TO SEALING.

1. Ownership (Name of Controlling Party)

U.S. EPA

2. Well Location: Well Site Address

90 East Seahorse Drive

City

Waukegan

Zip

60085

Lot #

Land I.D.#

MW-508D

County

Lake

Township

45N

Range

12E

Section

15

SE

Quarter of the

SW

Quarter of the

Quarter

GPS: North

Degrees

42

Minutes

22

Seconds

11.6

West

Degrees

87

Minutes

48

Seconds

57.3

Report decimal minutes to minutes and seconds by multiplying the decimal part of the minutes by 60, e.g. latitude 38 degrees 46.07 minutes N would be latitude 38 degrees 46 minutes 4.2 seconds (0.07 x 60 = 4.2) N. Report GPS coordinates to the nearest 0.1 second.

3. Year Drilled

4. Drilling Permit Number (and date, if known)

5. Type of Well

Monitoring

6. Total Depth (ft.)

29.3

Diameter (in.)

2

7. Formation clear of obstruction

Yes

8. Details of Plugging (bentonite, neat cement or other materials)

Filled with

Bentonite 3/8-inch plug

From (ft.)

0

to (ft.)

29.3

Kind of plug

From (ft.)

to (ft.)

Filled with

From (ft.)

to (ft.)

Kind of plug

From (ft.)

to (ft.)

Filled with

From (ft.)

to (ft.)

Kind of plug

From (ft.)

to (ft.)

9. CASING RECORD Upper 2 feet of casing removed

No

10. Date well was sealed

Jul 27, 2010

11. Licensed water well driller or other person approved by the Department performing well sealing

Name

Carol Nissen, PG

Complete License Number

19600346

Address

1 South Wacker Drive, Suite 3

City

Chicago

State

Illinois

Zip Code

60606

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ILLINOIS DEPARTMENT OF PUBLIC HEALTH  
DIVISION OF ENVIRONMENTAL HEALTH  
525 W. JEFFERSON ST.  
SPRINGFIELD, IL 62761

## WATER WELL SEALING FORM

PDF FILLABLE/SAVABLE

RETURN ALL COPIES TO IDPH OR  
LOCAL HEALTH DEPARTMENT

This form shall be submitted to the Department or the local health department not more than 30 days after a water well boring or monitoring well is sealed. Such wells are to be sealed not more than 30 days after they are abandoned in accordance with the sealing requirements in the Illinois Water Well Construction Code. THE LOCAL HEALTH DEPARTMENT OR REGIONAL PUBLIC HEALTH DEPARTMENT MUST BE NOTIFIED AT LEAST 48 HOURS PRIOR TO SEALING.

1. Ownership (Name of Controlling Party)

U.S. EPA

2. Well Location: Well Site Address

90 East Seahorse Drive

City

Waukegan

Zip

60085

Lot #

Land I.D.#

MW-5085

County

Lake

Township

45N

Range

12E

Section

15

SE

Quarter of the

SW

Quarter of the

Quarter

GPS: North

Degrees

42

Minutes

22

Seconds

11.5

West

Degrees

87

Minutes

48

Seconds

57.3

Report decimal minutes to minutes and seconds by multiplying the decimal part of the minutes by 60, e.g. latitude 38 degrees 48.07 minutes N would be latitude 38 degrees 48 minutes 4.2 seconds (0.07 x 60 = 4.2) N. Report GPS coordinates to the nearest 0.1 second.

3. Year Drilled

4. Drilling Permit Number (and date, if known)

5. Type of Well

Monitoring

6. Total Depth (ft.)

6.3

Diameter (in.)

2

7. Formation clear of obstruction

Yes

8. Detains of Plugging (bentonite, neat cement or other materials)

Filled with

Bentonite 3/8-inch plug

From (ft.)

0

to (ft.)

6.3

Kind of plug

From (ft.)

to (ft.)

Filled with

From (ft.)

to (ft.)

Kind of plug

From (ft.)

to (ft.)

Filled with

From (ft.)

to (ft.)

Kind of plug

From (ft.)

to (ft.)

9. CASING RECORD Upper 2 feet of casing removed

No

10. Date well was sealed

Jul 27, 2010

11. Licensed water well driller or other person approved by the Department performing well sealing

Name

Carol Nissen, PG

Complete License Number

196000346

Address

1 South Wacker Drive, Suite 300

City

Chicago

State

Illinois

Zip Code

60606

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ILLINOIS DEPARTMENT OF PUBLIC HEALTH  
DIVISION OF ENVIRONMENTAL HEALTH  
525 W. JEFFERSON ST.  
SPRINGFIELD, IL 62761



WATER WELL SEALING FORM

PDF FILLABLE/SAVABLE

RETURN ALL COPIES TO IDPH OR  
LOCAL HEALTH DEPARTMENT

This form shall be submitted to this Department or the local health department not more than 30 days after a water well boring or monitoring well is sealed. Shallow wells are to be sealed no more than 30 days after they are abandoned in accordance with the sealing requirements in the Illinois Water Well Construction Code. THE LOCAL HEALTH DEPARTMENT OR REGIONAL PUBLIC HEALTH DEPARTMENT MUST BE NOTIFIED AT LEAST 48 HOURS PRIOR TO SEALING.

1. Ownership (Name of Controlling Party)

U.S. EPA

2. Well Location: Well Site Address

90 East Seahorse Drive

City

Waukegan

Zip

60085

Lot #

Land I.D.#

MW-510D

County

Lake

Township

45N

Range

12E

Section

15

SE

Quarter of the

SW

Quarter of the

Quarter

GPS: North

Degrees

42

Minutes

22

Seconds

10.2

West

Degrees

87

Minutes

49

Seconds

20.7

Report decimal minutes to minutes and seconds by multiplying the decimal part of the minutes by 60, e.g. latitude 38 degrees 46.07 minutes N would be latitude 38 degrees 46 minutes 4.2 seconds (0.07 x 60 = 4.2) N. Report GPS coordinates to the nearest 0.1 second.

3. Year Drilled

4. Drilling Permit Number (and date, if known)

5. Type of Well

Monitoring

6. Total Depth (ft.)

27.4

Diameter (in.)

2

7. Formation clear of obstruction

Yes

8. Details of Plugging (bentonite, neat cement or other materials)

Filled with

Bentonite 3/8-inch plug

From (ft.)

0

to (ft.)

27.4

Kind of plug

From (ft.)

to (ft.)

Filled with

From (ft.)

to (ft.)

Kind of plug

From (ft.)

to (ft.)

Filled with

From (ft.)

to (ft.)

Kind of plug

From (ft.)

to (ft.)

9. CASING RECORD Upper 2 feet of casing removed

No

10. Date well was sealed

Jul 27, 2010

11. Licensed water well driller or other person approved by the Department performing well sealing

Name

Carol Nissen, PG

Complete License Number

196000346

Address

1 South Wacker Drive, Suite 300

City

Chicago

State

Illinois

Zip Code

60606

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ILLINOIS DEPARTMENT OF PUBLIC HEALTH  
DIVISION OF ENVIRONMENTAL HEALTH  
525 W. JEFFERSON ST.  
SPRINGFIELD, IL 62761



WATER WELL SEALING FORM

PDF FILLABLE/SAVABLE

RETURN ALL COPIES TO IDPH OR  
LOCAL HEALTH DEPARTMENT

This form shall be submitted to this Department or the local health department not more than 40 days after a water well, bond or monitoring well is sealed. Such wells are to be sealed not more than 40 days after they are abandoned in accordance with the sealing requirements in the Illinois Water Well Construction Code. THE LOCAL HEALTH DEPARTMENT OR REGIONAL PUBLIC HEALTH DEPARTMENT MUST BE NOTIFIED AT LEAST 48 HOURS PRIOR TO SEALING.

1. Ownership (Name of Controlling Party)

U.S. EPA

2. Well Location: Well Site Address

90 East Seahorse Drive

City

Waukegan

Zip

60085

Lot #

Land I.D.#

MW-5105

County

Lake

Township

45N

Range

12E

Section

15

SE

Quarter of the

SW

Quarter of the

Quarter

GPS: North

Degrees

42

Minutes

22

Seconds

10.1

West

Degrees

87

Minutes

49

Seconds

20.7

Report decimal minutes to minutes and seconds by multiplying the decimal part of the minutes by 60, e.g. latitude 38 degrees 46.07 minutes N would be latitude 38 degrees 46 minutes 4.2 seconds (0.07 x 60 = 4.2) N. Report GPS coordinates to the nearest 0.1 second.

3. Year Drilled

4. Drilling Permit Number (and date, if known)

5. Type of Well

Monitoring

6. Total Depth (ft.)

9.3

Diameter (in.)

2

7. Formation clear of obstruction

Yes

8. Details of Plugging (bentonite, neat cement or other materials)

Filled with

Bentonite 3/8-inch plug

From (ft.)

0

to (ft.)

9.3

Kind of plug

From (ft.)

to (ft.)

Filled with

From (ft.)

to (ft.)

Kind of plug

From (ft.)

to (ft.)

Filled with

From (ft.)

to (ft.)

Kind of plug

From (ft.)

to (ft.)

9. CASING RECORD Upper 2 feet of casing removed

No

10. Date well was sealed

Jul 27, 2010

11. Licensed water well driller or other person approved by the Department performing well sealing

Name

Carol Nissen, PG

Complete License Number

196000346

Address

1 South Wacker Drive, Suite 300

City

Chicago

State

Illinois

Zip Code

60606

This state agency is requesting disclosure of information that is necessary to accomplish the statutory purpose as outlined under Public Act-0863. Disclosure of this information is mandatory. This form has been approved by the Forms Management Center. IL 482-0831- Revised 5/09

Questions regarding the completion of this form should be directed to the local health department or the Illinois Department of Public Health 217-782-5830, TTY (for hearing impaired only) 800-547-0466.

ILLINOIS DEPARTMENT OF PUBLIC HEALTH  
DIVISION OF ENVIRONMENTAL HEALTH  
525 W. JEFFERSON ST.  
SPRINGFIELD, IL 62761

## WATER WELL SEALING FORM

PDF FILLABLE/SAVABLE

RETURN ALL COPIES TO IDPH OR  
LOCAL HEALTH DEPARTMENT

This form shall be submitted to the Department or the local health department no more than 30 days after a water well boring or monitoring well is sealed. Such wells are to be sealed no more than 30 days after they are abandoned in accordance with the sealing requirements in the Illinois Water Well Construction Code. THE LOCAL HEALTH DEPARTMENT OR REGIONAL PUBLIC HEALTH DEPARTMENT MUST BE NOTIFIED AT LEAST 48 HOURS PRIOR TO SEALING.

1. Ownership (Name of Controlling Party)

U.S. EPA

2. Well Location: Well Site Address

90 East Seahorse Drive

City

Waukegan

Zip

60085

Lot #

Land I.D.#

MW-512D

County

Lake

Township

45N

Range

12E

Section

15

SE

Quarter of the

SW

Quarter of the

Quarter

GPS: North

Degrees

42

Minutes

22

Seconds

8.7

West

Degrees

87

Minutes

49

Seconds

11.6

Report decimal minutes to minutes and seconds by multiplying the decimal part of the minutes by 60, e.g. latitude 38 degrees 46.07 minutes N would be latitude 38 degrees 46 minutes 4.2 seconds (0.07 x 60 = 4.2) N. Report GPS coordinates to the nearest 0.1 second.

3. Year Drilled

4. Drilling Permit Number (and date, if known)

5. Type of Well

Monitoring

6. Total Depth (ft.)

7.4

Diameter (in.)

2

7. Formation clear of obstruction

Yes

8. Details of Plugging (bentonite, neat cement or other materials)

Filled with

Bentonite 3/8-inch plug

From (ft.)

0

to (ft.)

7.4

Kind of plug

From (ft.)

to (ft.)

Filled with

From (ft.)

to (ft.)

Kind of plug

From (ft.)

to (ft.)

Filled with

From (ft.)

to (ft.)

Kind of plug

From (ft.)

to (ft.)

9. CASING RECORD Upper 2 feet of casing removed

No

10. Date well was sealed

Jul 27, 2010

11. Licensed water well driller or other person approved by the Department performing well sealing

Name

Carol Nissen, PG

Complete License Number

196000346

Address

1 South Wacker Drive, Suite 3

City

Chicago

State

Illinois

Zip Code

60606

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ILLINOIS DEPARTMENT OF PUBLIC HEALTH  
DIVISION OF ENVIRONMENTAL HEALTH  
525 W. JEFFERSON ST.  
SPRINGFIELD, IL 62761

## WATER WELL SEALING FORM

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LOCAL HEALTH DEPARTMENT

This form shall be submitted to this Department or the local health department not more than 30 days after a water well (boring or monitoring well) is sealed. Such wells are to be sealed not more than 90 days after they are abandoned in accordance with the sealing requirements in the Illinois Water Well Construction Code. THE LOCAL HEALTH DEPARTMENT OR REGIONAL PUBLIC HEALTH DEPARTMENT MUST BE NOTIFIED AT LEAST 48 HOURS PRIOR TO SEALING.

1. Ownership (Name of Controlling Party)

U.S. EPA

2. Well Location: Well Site Address

90 East Seahorse Drive

City Waukegan

Zip 60085

Lot #

Land I.D.#

MW-512S

County Lake

Township 45N

Range 12E

Section 15

SE

Quarter of the SW

Quarter of the

Quarter

GPS: North  
Degrees 42

Minutes 22

Seconds 8.6

West  
Degrees 87

Minutes 49

Seconds 11.6

Report decimal minutes to minutes and seconds by multiplying the decimal part of the minutes by 60, e.g. latitude 38 degrees 46.07 minutes N would be latitude 38 degrees 46 minutes 4.2 seconds (0.07 x 60 = 4.2) N. Report GPS coordinates to the nearest 0.1 second

3. Year Drilled

4. Drilling Permit Number (and date, if known)

5. Type of Well Monitoring

6. Total Depth (ft.) 25.4

Diameter (in.) 2

7. Formation clear of obstruction

Yes

8. Details of Plugging (bentonite, neat cement or other materials)

Filled with

Bentonite 3/8-inch plug

From (ft.)

0

to (ft.)

25.4

Kind of plug

From (ft.)

to (ft.)

Filled with

From (ft.)

to (ft.)

Kind of plug

From (ft.)

to (ft.)

Filled with

From (ft.)

to (ft.)

Kind of plug

From (ft.)

to (ft.)

9. CASING RECORD Upper 2 feet of casing removed

No

10. Date well was sealed

Jul 27, 2010

11. Licensed water well driller or other person approved by the Department performing well sealing

Name

Carol Nissen, PG

Complete License Number

196000346

Address

1 South Wacker Drive, Suite 3

City

Chicago

State

Illinois

Zip Code

60606

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ILLINOIS DEPARTMENT OF PUBLIC HEALTH  
DIVISION OF ENVIRONMENTAL HEALTH  
525 W. JEFFERSON ST.  
SPRINGFIELD, IL 62761

## WATER WELL SEALING FORM

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LOCAL HEALTH DEPARTMENT

This form shall be submitted to the Department or the local health department not more than 90 days after a water well is drilled or monitoring well is sealed. Such wells are to be sealed not more than 90 days after they are abandoned in accordance with the sealing requirements in the Illinois Water Well Construction Code. THE LOCAL HEALTH DEPARTMENT OR REGIONAL PUBLIC HEALTH DEPARTMENT MUST BE NOTIFIED AT LEAST 48 HOURS PRIOR TO SEALING.

1. Ownership (Name of Controlling Party)

U.S. EPA

2. Well Location: Well Site Address

90 East Seahorse Drive

City

Waukegan

Zip

60085

Lot #

Land I.D.#

MW-518D

County

Lake

Township

45N

Range

12E

Section

15

SE

Quarter of the

SW

Quarter of the

Quarter

GPS: North

Degrees

42

Minutes

22

Seconds

14.5

West

Degrees

87

Minutes

49

Seconds

17.7

Report decimal minutes to minutes and seconds by multiplying the decimal part of the minutes by 60, e.g. latitude 38 degrees 46.07 minutes N would be latitude 38 degrees 46 minutes 4.2 seconds (0.07 x 60 = 4.2) N. Report GPS coordinates to the nearest 0.1 second.

3. Year Drilled

4. Drilling Permit Number (and date, if known)

5. Type of Well

Monitoring

6. Total Depth (ft.)

26.85

Diameter (in.)

2

7. Formation clear of obstruction

Yes

8. Details of Plugging (bentonite, neat cement or other materials)

Filled with

Bentonite 3/8-inch plug

From (ft.)

0

to (ft.)

26.85

Kind of plug

From (ft.)

to (ft.)

Filled with

From (ft.)

to (ft.)

Kind of plug

From (ft.)

to (ft.)

Filled with

From (ft.)

to (ft.)

Kind of plug

From (ft.)

to (ft.)

9. CASING RECORD Upper 2 feet of casing removed

No

10. Date well was sealed

Jul 27, 2010

11. Licensed water well driller or other person approved by the Department performing well sealing

Name

Carol Nissen, PG

Complete License Number

196000346

Address

1 South Wacker Drive, Suite 310

City

Chicago

State

Illinois

Zip Code

60606

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ILLINOIS DEPARTMENT OF PUBLIC HEALTH  
DIVISION OF ENVIRONMENTAL HEALTH  
525 W. JEFFERSON ST.  
SPRINGFIELD, IL 62761

## WATER WELL SEALING FORM

PDF FILLABLE/SAVABLE

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LOCAL HEALTH DEPARTMENT

This form shall be submitted to this Department or the local health department not more than 30 days after a water well is abandoned or monitoring wells sealed. Such wells are to be sealed not more than 30 days after they are abandoned in accordance with the sealing requirements in the Illinois Water Well Construction Code. THE LOCAL HEALTH DEPARTMENT OR REGIONAL PUBLIC HEALTH DEPARTMENT MUST BE NOTIFIED AT LEAST 48 HOURS PRIOR TO SEALING.

1. Ownership (Name of Controlling Party)

U.S. EPA

2. Well Location: Well Site Address

90 East Seahorse Drive

City Waukegan

Zip 60085

Lot #

Land I.D.#

MW-5185

County

Lake

Township

45N

Range

12E

Section

15

SE

Quarter of the

SW

Quarter of the

Quarter

GPS: North

Degrees

42

Minutes

22

Seconds

14.5

West

Degrees

87

Minutes

49

Seconds

17.7

Report decimal minutes to minutes and seconds by multiplying the decimal part of the minutes by 60, e.g. latitude 38 degrees 46.07 minutes N would be latitude 38 degrees 46 minutes 4.2 seconds (0.07 x 60 = 4.2) N. Report GPS coordinates to the nearest 0.1 second.

3. Year Drilled

4. Drilling Permit Number (and date, if known)

5. Type of Well

Monitoring

6. Total Depth (ft.)

10.65

Diameter (in.)

2

7. Formation clear of obstruction

Yes

8. Details of Plugging (bentonite, neat cement or other materials)

Filled with

Bentonite 3/8-inch plug

From (ft.)

0

to (ft.)

10.65

Kind of plug

From (ft.)

to (ft.)

Filled with

From (ft.)

to (ft.)

Kind of plug

From (ft.)

to (ft.)

Filled with

From (ft.)

to (ft.)

Kind of plug

From (ft.)

to (ft.)

9. CASING RECORD Upper 2 feet of casing removed

No

10. Date well was sealed

Jul 27, 2010

11. Licensed water well driller or other person approved by the Department performing well sealing

Name

Carol Nissen, PG

Complete License Number

196000346

Address

1 South Wacker Drive, Suite 300

City

Chicago

State

Illinois

Zip Code

60606

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ILLINOIS DEPARTMENT OF PUBLIC HEALTH  
DIVISION OF ENVIRONMENTAL HEALTH  
525 W. JEFFERSON ST.  
SPRINGFIELD, IL 62761



WATER WELL SEALING FORM

PDF FILLABLE/SAVABLE

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LOCAL HEALTH DEPARTMENT

This form shall be submitted to this Department or the local health department not more than 30 days after a water well (boring or monitoring well) is sealed. Such wells are to be sealed not more than 30 days after they are abandoned in accordance with the sealing requirements in the Illinois Water Well Construction Code. THE LOCAL HEALTH DEPARTMENT OR REGIONAL PUBLIC HEALTH DEPARTMENT MUST BE NOTIFIED AT LEAST 48 HOURS PRIOR TO SEALING.

1. Ownership (Name of Controlling Party)

U.S. EPA

2. Well Location: Well Site Address

90 East Seahorse Drive

City

Waukegan

Zip

60085

Lot #

Land I.D.#

MW-519D

County

Lake

Township

45N

Range

12E

Section

15

SE

Quarter of the

SW

Quarter of the

Quarter

GPS: North

Degrees

42

Minutes

22

Seconds

14

West

Degrees

87

Minutes

49

Seconds

23.3

Report decimal minutes to minutes and seconds by multiplying the decimal part of the minutes by 60, e.g. latitude 38 degrees 46.07 minutes N would be latitude 38 degrees 46 minutes 4.2 seconds (0.07 x 60 = 4.2) N. Report GPS coordinates to the nearest 0.1 second.

3. Year Drilled

4. Drilling Permit Number (and date, if known)

5. Type of Well

Monitoring

6. Total Depth (ft.)

13.2

Diameter (in.)

2

7. Formation clear of obstruction

Yes

8. Details of Plugging (bentonite, neat cement or other materials)

Filled with

Bentonite 3/8-inch plug

From (ft.)

0

to (ft.)

13.2

Kind of plug

From (ft.)

to (ft.)

Filled with

From (ft.)

to (ft.)

Kind of plug

From (ft.)

to (ft.)

Filled with

From (ft.)

to (ft.)

Kind of plug

From (ft.)

to (ft.)

9. CASING RECORD Upper 2 feet of casing removed

No

10. Date well was sealed

Jul 27, 2010

11. Licensed water well driller or other person approved by the Department performing well sealing

Name

Carol Nissen, PG

Complete License Number

196000346

Address

1 South Wacker Drive, Suite 300

City

Chicago

State

Illinois

Zip Code

60606

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ILLINOIS DEPARTMENT OF PUBLIC HEALTH  
DIVISION OF ENVIRONMENTAL HEALTH  
525 W. JEFFERSON ST.  
SPRINGFIELD, IL 62761

## WATER WELL SEALING FORM

PDF FILLABLE/SAVABLE

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LOCAL HEALTH DEPARTMENT

This form shall be submitted to this department or the local health department not more than 30 days after a water well boring or monitoring well is sealed. Such wells are to be sealed not more than 30 days after they are abandoned in accordance with the sealing requirements in the Illinois Water Well Construction Code. THE LOCAL HEALTH DEPARTMENT OR REGIONAL PUBLIC HEALTH DEPARTMENT MUST BE NOTIFIED AT LEAST 48 HOURS PRIOR TO SEALING.

1. Ownership (Name of Controlling Party)

U.S. EPA

2. Well Location: Well Site Address

90 East Seahorse Drive

City Waukegan

Zip 60085

Lot #

Land I.D.#

MW-5195

County Lake

Township 45N

Range 12E

Section 15

SE

Quarter of the SW

Quarter of the

Quarter

GPS: North

Degrees 42

Minutes 22

Seconds 14

West

Degrees 87

Minutes 49

Seconds 23.3

Report decimal minutes to minutes and seconds by multiplying the decimal part of the minutes by 60, e.g. latitude 38 degrees 46.07 minutes N would be latitude 38 degrees 46 minutes 4.2 seconds (0.07 x 60 = 4.2) N. Report GPS coordinates to the nearest 0.1 second.

3. Year Drilled

4. Drilling Permit Number (and date, if known)

5. Type of Well Monitoring

6. Total Depth (ft.) 20.3

Diameter (in.) 2

7. Formation clear of obstruction

Yes

8. Details of Plugging (bentonite, neat cement or other materials)

Filled with

Bentonite 3/8-inch plug

From (ft.)

0

to (ft.)

20.3

Kind of plug

From (ft.)

to (ft.)

Filled with

From (ft.)

to (ft.)

Kind of plug

From (ft.)

to (ft.)

Filled with

From (ft.)

to (ft.)

Kind of plug

From (ft.)

to (ft.)

9. CASING RECORD Upper 2 feet of casing removed

No

10. Date well was sealed

Jul 27, 2010

11. Licensed water well driller or other person approved by the Department performing well sealing

Name

Carol Nissen, PG

Complete License Number

196000346

Address

1 South Wacker Drive, Suite 3

City

Chicago

State

Illinois

Zip Code

60606

This state agency is requesting disclosure of information that is necessary to accomplish the statutory purpose as outlined under Public Act-0883. Disclosure of this information is mandatory. This form has been approved by the Forms Management Center. IL 482-0631- Revised 5/09

Questions regarding the completion of this form should be directed to the local health department or the Illinois Department of Public Health 217-782-5830, TTY (for hearing impaired only) 800-547-0466.



## WATER WELL SEALING FORM

PDF FILLABLE/SAVABLE

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LOCAL HEALTH DEPARTMENT

This form shall be submitted to this Department or the local health department not more than 30 days after a water well boring or monitoring well is sealed. Such wells are to be sealed not more than 90 days after they are abandoned in accordance with the sealing requirements in the Illinois Water Well Construction Code. THE LOCAL HEALTH DEPARTMENT OR REGIONAL PUBLIC HEALTH DEPARTMENT MUST BE NOTIFIED AT LEAST 48 HOURS PRIOR TO SEALING.

1. Ownership (Name of Controlling Party)

U.S. EPA

2. Well Location: Well Site Address

90 East Seahorse Drive

City Waukegan

Zip

60085

Lot #

Land I.D.#

MW-520D

County

Lake

Township

45N

Range

12E

Section

15

SE

Quarter of the

SW

Quarter of the

Quarter

GPS: North

Degrees

42

Minutes

22

Seconds

12.9

West

Degrees

87

Minutes

49

Seconds

20.3

Report decimal minutes to minutes and seconds by multiplying the decimal part of the minutes by 60, e.g. latitude 38 degrees 46.07 minutes N would be latitude 38 degrees 46 minutes 4.2 seconds (0.07 x 60 = 4.2) N. Report GPS coordinates to the nearest 0.1 second.

3. Year Drilled

4. Drilling Permit Number (and date, if known)

5. Type of Well

Monitoring

6. Total Depth (ft.)

26.2

Diameter (in.)

2

7. Formation clear of obstruction

Yes

8. Details of Plugging (bentonite, neat cement or other materials)

Filled with

Bentonite 3/8-inch plug

From (ft.)

0

to (ft.)

26.2

Kind of plug

From (ft.)

to (ft.)

Filled with

From (ft.)

to (ft.)

Kind of plug

From (ft.)

to (ft.)

Filled with

From (ft.)

to (ft.)

Kind of plug

From (ft.)

to (ft.)

9. CASING RECORD Upper 2 feet of casing removed

No

10. Date well was sealed

Jul 27, 2010

11. Licensed water well driller or other person approved by the Department performing well sealing

Name

Carol Nissen, PG

Complete License Number

196000346

Address

1 South Wacker Drive, Suite 300

City

Chicago

State

Illinois

Zip Code

60606

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ILLINOIS DEPARTMENT OF PUBLIC HEALTH  
DIVISION OF ENVIRONMENTAL HEALTH  
525 W. JEFFERSON ST.  
SPRINGFIELD, IL 62761

## WATER WELL SEALING FORM

PDF FILLABLE/SAVABLE

RETURN ALL COPIES TO IDPH OR  
LOCAL HEALTH DEPARTMENT

This form shall be submitted to this Department or the local health department not more than 30 days after a water well, monitoring well is sealed. Such wells are to be sealed not more than 30 days after they are abandoned in accordance with the sealing requirements in the Illinois Water Well Construction Code. THE LOCAL HEALTH DEPARTMENT OR REGIONAL PUBLIC HEALTH DEPARTMENT MUST BE NOTIFIED AT LEAST 48 HOURS PRIOR TO SEALING.

1. Ownership (Name of Controlling Party)

U.S. EPA

2. Well Location: Well Site Address

90 East Seahorse Drive

City Waukegan

Zip 60085

Lot #

Land I.D.#

MW-5205

County Lake

Township 45N

Range 12E

Section 15

SE

Quarter of the SW

Quarter of the

Quarter

GPS: North

Degrees 42

Minutes 22

Seconds 12.9

West

Degrees 87

Minutes 49

Seconds 20.3

Report decimal minutes to minutes and seconds by multiplying the decimal part of the minutes by 60, e.g. latitude 38 degrees 46.07 minutes N would be latitude 38 degrees 46 minutes 4.2 seconds (0.07 x 60 = 4.2) N. Report GPS coordinates to the nearest 0.1 second

3. Year Drilled

4. Drilling Permit Number (and date, if known)

5. Type of Well

Monitoring

6. Total Depth (ft.)

15.3

Diameter (in.)

2

7. Formation clear of obstruction

Yes

8. Details of Plugging (bentonite, neat cement or other materials)

Filled with

Bentonite 3/8-inch plug

From (ft.)

0

to (ft.)

15.3

Kind of plug

From (ft.)

to (ft.)

Filled with

From (ft.)

to (ft.)

Kind of plug

From (ft.)

to (ft.)

Filled with

From (ft.)

to (ft.)

Kind of plug

From (ft.)

to (ft.)

9. CASING RECORD Upper 2 feet of casing removed

No

10. Date well was sealed

Jul 27, 2010

11. Licensed water well driller or other person approved by the Department performing well sealing

Name

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Complete License Number

196000346

Address

1 South Wacker Drive, Suite 300

City

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State

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Zip Code

60606

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SPRINGFIELD, IL 62761

## WATER WELL SEALING FORM

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1. Ownership (Name of Controlling Party)

U.S. EPA

2. Well Location: Well Site Address

90 East Seahorse Drive

City Waukegan

Zip 60085

Lot #

Land I.D.#

MW-523D

County

Lake

Township

45N

Range

12E

Section

15

SE

Quarter of the

SW

Quarter of the

Quarter

GPS: North

Degrees

42

Minutes

22

Seconds

13.1

West

Degrees

87

Minutes

49

Seconds

11.8

Report decimal minutes to minutes and seconds by multiplying the decimal part of the minutes by 60, e.g. latitude 38 degrees 46.07 minutes N would be latitude 38 degrees 46 minutes 4.2 seconds (0.07 x 60 = 4.2) N. Report GPS coordinates to the nearest 0.1 second.

3. Year Drilled

4. Drilling Permit Number (and date, if known)

5. Type of Well

Monitoring

6. Total Depth (ft.)

28.7

Diameter (in.)

2

7. Formation clear of obstruction

Yes

8. Details of Plugging (bentonite, neat cement or other materials)

Filled with

Bentonite 3/8-inch plug

From (ft.)

0

to (ft.)

28.7

Kind of plug

From (ft.)

to (ft.)

Filled with

From (ft.)

to (ft.)

Kind of plug

From (ft.)

to (ft.)

Filled with

From (ft.)

to (ft.)

Kind of plug

From (ft.)

to (ft.)

9. CASING RECORD Upper 2 feet of casing removed

No

10. Date well was sealed

Jul 27, 2010

11. Licensed water well driller or other person approved by the Department performing well sealing

Name

Carol Nissen, PG

Complete License Number

196000346

Address

1 South Wacker Drive, Suite 3

City

Chicago

State

Illinois

Zip Code

60606

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ILLINOIS DEPARTMENT OF PUBLIC HEALTH  
DIVISION OF ENVIRONMENTAL HEALTH  
525 W. JEFFERSON ST.  
SPRINGFIELD, IL 62761



WATER WELL SEALING FORM

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LOCAL HEALTH DEPARTMENT

This form shall be submitted to this department or the local health department not more than 30 days after a water well bore or monitoring well is sealed. Such wells are to be sealed not more than 30 days after they are abandoned in accordance with the sealing requirements in the Illinois Water Well Construction Code. THE LOCAL HEALTH DEPARTMENT OR REGIONAL PUBLIC HEALTH DEPARTMENT MUST BE NOTIFIED AT LEAST 48 HOURS PRIOR TO SEALING.

1. Ownership (Name of Controlling Party)

U.S. EPA

2. Well Location: Well Site Address

90 East Seahorse Drive

City

Waukegan

Zip

60085

Lot #

Land I.D.#

MW-523S

County

Lake

Township

45N

Range

12E

Section

15

SE

Quarter of the

SW

Quarter of the

Quarter

GPS: North

Degrees

42

Minutes

22

Seconds

13.1

West

Degrees

87

Minutes

49

Seconds

11.8

Report decimal minutes to minutes and seconds by multiplying the decimal part of the minutes by 60, e.g. latitude 38 degrees 46.07 minutes N would be latitude 38 degrees 46 minutes 4.2 seconds (0.07 x 60 = 4.2) N. Report GPS coordinates to the nearest 0.1 second.

3. Year Drilled

4. Drilling Permit Number (and date, if known)

5. Type of Well

Monitoring

6. Total Depth (ft.)

9

Diameter (in.)

2

7. Formation clear of obstruction

Yes

8. Details of Plugging (bentonite, neat cement or other materials)

Filled with

Bentonite 3/8-inch plug

From (ft.)

0

to (ft.)

9

Kind of plug

From (ft.)

to (ft.)

Filled with

From (ft.)

to (ft.)

Kind of plug

From (ft.)

to (ft.)

Filled with

From (ft.)

to (ft.)

Kind of plug

From (ft.)

to (ft.)

9. CASING RECORD Upper 2 feet of casing removed

No

10. Date well was sealed

Jul 27, 2010

11. Licensed water well driller or other person approved by the Department performing well sealing

Name

Carol Nissen, PG

Complete License Number

196000346

Address

1 South Wacker Drive, Suite 3

City

Chicago

State

Illinois

Zip Code

60606

This state agency is requesting disclosure of information that is necessary to accomplish the statutory purpose as outlined under Public Act-0863. Disclosure of this information is mandatory. This form has been approved by the Forms Management Center. IL 482-0631- Revised 5/09

Questions regarding the completion of this form should be directed to the local health department or the Illinois Department of Public Health 217-782-5830, TTY (for hearing impaired only) 800-547-0466.



ILLINOIS DEPARTMENT OF PUBLIC HEALTH  
DIVISION OF ENVIRONMENTAL HEALTH  
525 W. JEFFERSON ST.  
SPRINGFIELD, IL 62761

## WATER WELL SEALING FORM

PDF FILLABLE/SAVABLE

RETURN ALL COPIES TO IDPH OR  
LOCAL HEALTH DEPARTMENT

This form shall be submitted to this Department or the local health department not more than 90 days after a water well (bond or monitoring well) is sealed. Such wells are to be sealed not more than 30 days after they are abandoned in accordance with the sealing requirements in the Illinois Water Well Construction Code. THE LOCAL HEALTH DEPARTMENT OR REGIONAL PUBLIC HEALTH DEPARTMENT MUST BE NOTIFIED AT LEAST 48 HOURS PRIOR TO SEALING.

1. Ownership (Name of Controlling Party)

U.S. EPA

2. Well Location: Well Site Address

90 East Seahorse Drive

City

Waukegan

Zip

60085

Lot #

Land I.D.#

MW-524S

County

Lake

Township

45N

Range

12E

Section

15

SE

Quarter of the

SW

Quarter of the

Quarter

GPS: North

Degrees

42

Minutes

22

Seconds

12.5

West

Degrees

87

Minutes

49

Seconds

11.5

Report decimal minutes to minutes and seconds by multiplying the decimal part of the minutes by 60, e.g. latitude 38 degrees 46.07 minutes N would be latitude 38 degrees 46 minutes 4.2 seconds ( $0.07 \times 60 = 4.2$ ) N. Report GPS coordinates to the nearest 0.1 second.

3. Year Drilled

4. Drilling Permit Number (and date, if known)

5. Type of Well

Monitoring

6. Total Depth (ft.)

9.8

Diameter (in.)

2

7. Formation clear of obstruction

Yes

8. Details of Plugging (bentonite, neat cement or other materials)

Filled with

Bentonite 3/8-inch plug

From (ft.)

0

to (ft.)

9.8

Kind of plug

From (ft.)

to (ft.)

Filled with

From (ft.)

to (ft.)

Kind of plug

From (ft.)

to (ft.)

Filled with

From (ft.)

to (ft.)

Kind of plug

From (ft.)

to (ft.)

9. CASING RECORD Upper 2 feet of casing removed

No

10. Date well was sealed

Jul 27, 2010

11. Licensed water well driller or other person approved by the Department performing well sealing

Name

Carol Nissen, PG

Complete License Number

196000346

Address

1 South Wacker Drive, Suite 201

City

Chicago

State

Illinois

Zip Code

60606

This state agency is requesting disclosure of information that is necessary to accomplish the statutory purpose as outlined under Public Act-0863. Disclosure of this information is mandatory. This form has been approved by the Forms Management Center. IL 482-0831- Revised 5/09

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ILLINOIS DEPARTMENT OF PUBLIC HEALTH  
DIVISION OF ENVIRONMENTAL HEALTH  
525 W. JEFFERSON ST.  
SPRINGFIELD, IL 62761

## WATER WELL SEALING FORM

PDF FILLABLE/SAVABLE

RETURN ALL COPIES TO IDPH OR  
LOCAL HEALTH DEPARTMENT

This form shall be submitted to this Department or the local health department not more than 30 days after a water well (borehole or monitoring well) is sealed. Such wells are to be sealed not more than 30 days after they are abandoned in accordance with the sealing requirements in the Illinois Water Well Construction Code. THE LOCAL HEALTH DEPARTMENT OR REGIONAL PUBLIC HEALTH DEPARTMENT MUST BE NOTIFIED AT LEAST 48 HOURS PRIOR TO SEALING.

1. Ownership (Name of Controlling Party)

U.S. EPA

2. Well Location: Well Site Address

90 East Seahorse Drive

City

Waukegan

Zip

60085

Lot #

Land I.D.#

MW-525D

County

Lake

Township

45N

Range

12E

Section

15

SE

Quarter of the

SW

Quarter of the

Quarter

GPS: North

Degrees

42

Minutes

22

Seconds

12.1

West

Degrees

87

Minutes

49

Seconds

11.7

Report decimal minutes to minutes and seconds by multiplying the decimal part of the minutes by 60, e.g. latitude 38 degrees 46.07 minutes N would be latitude 38 degrees 46 minutes 4.2 seconds (0.07 x 60 = 4.2) N. Report GPS coordinates to the nearest 0.1 second.

3. Year Drilled

4. Drilling Permit Number (and date, if known)

5. Type of Well

Monitoring

6. Total Depth (ft.)

29.1

Diameter (in.)

2

7. Formation clear of obstruction

Yes

8. Details of Plugging (bentonite, neat cement or other materials)

Filled with

Bentonite 3/8-inch plug

From (ft.)

0

to (ft.)

29.1

Kind of plug

From (ft.)

to (ft.)

Filled with

From (ft.)

to (ft.)

Kind of plug

From (ft.)

to (ft.)

Filled with

From (ft.)

to (ft.)

Kind of plug

From (ft.)

to (ft.)

9. CASING RECORD Upper 2 feet of casing removed

No

10. Date well was sealed

Jul 27, 2010

11. Licensed water well driller or other person approved by the Department performing well sealing

Name

Carol Nissen, PG

Complete License Number

196000346

Address

1 South Wacker Drive, Suite 3

City

Chicago

State

Illinois

Zip Code

60606

This state agency is requesting disclosure of information that is necessary to accomplish the statutory purpose as outlined under Public Act-0863. Disclosure of this information is mandatory. This form has been approved by the Forms Management Center. IL 482-0631- Revised 5/09

Questions regarding the completion of this form should be directed to the local health department or the Illinois Department of Public Health 217-782-5830, TTY (for hearing impaired only) 800-647-0466.



ILLINOIS DEPARTMENT OF PUBLIC HEALTH  
DIVISION OF ENVIRONMENTAL HEALTH  
525 W. JEFFERSON ST.  
SPRINGFIELD, IL 62761



WATER WELL SEALING FORM

PDF FILLABLE/SAVABLE

RETURN ALL COPIES TO IDPH OR  
LOCAL HEALTH DEPARTMENT

This form shall be submitted to this Department or the local health department not more than 30 days after a water well, boring or monitoring well is sealed. Such wells are to be sealed not more than 30 days after they are abandoned in accordance with the sealing requirements in the Illinois Water Well Construction Code. THE LOCAL HEALTH DEPARTMENT OR REGIONAL PUBLIC HEALTH DEPARTMENT MUST BE NOTIFIED AT LEAST 48 HOURS PRIOR TO SEALING.

1. Ownership (Name of Controlling Party)

U.S. EPA

2. Well Location: Well Site Address

90 East Seahorse Drive

City Waukegan

Zip 60085

Lot #

Land I.D.#

MW-525S

County Lake

Township

45N

Range

12E

Section

15

SE

Quarter of the

SW

Quarter of the

Quarter

GPS: North

Degrees

42

Minutes

22

Seconds

12.1

West

Degrees

87

Minutes

49

Seconds

11.8

Report decimal minutes to minutes and seconds by multiplying the decimal part of the minutes by 60, e.g. latitude 38 degrees 46.07 minutes N would be latitude 38 degrees 46 minutes 4.2 seconds (0.07 x 60 = 4.2) N. Report GPS coordinates to the nearest 0.1 second.

3. Year Drilled

4. Drilling Permit Number (and date, if known)

5. Type of Well

Monitoring

6. Total Depth (ft.)

6.85

Diameter (in.)

2

7. Formation clear of obstruction

Yes

8. Details of Plugging (bentonite, neat cement or other materials)

Filled with

Bentonite 3/8-inch plug

From (ft.)

0

to (ft.)

6.85

Kind of plug

From (ft.)

to (ft.)

Filled with

From (ft.)

to (ft.)

Kind of plug

From (ft.)

to (ft.)

Filled with

From (ft.)

to (ft.)

Kind of plug

From (ft.)

to (ft.)

9. CASING RECORD Upper 2 feet of casing removed

No

10. Date well was sealed

Jul 27, 2010

11. Licensed water well driller or other person approved by the Department performing well sealing

Name

Carol Nissen, PG

Complete License Number

196000346

Address

1 South Wacker Drive, Suite 310

City

Chicago

State

Illinois

Zip Code

60606

This state agency is requesting disclosure of information that is necessary to accomplish the statutory purpose as outlined under Public Act-0863. Disclosure of this information is mandatory. This form has been approved by the Forms Management Center. IL 482-0831- Revised 5/09

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ILLINOIS DEPARTMENT OF PUBLIC HEALTH  
DIVISION OF ENVIRONMENTAL HEALTH  
525 W. JEFFERSON ST.  
SPRINGFIELD, IL 62761



WATER WELL SEALING FORM

PDF FILLABLE/SAVABLE

RETURN ALL COPIES TO IDPH OR  
LOCAL HEALTH DEPARTMENT

This form shall be submitted to this Department or the local health department not more than 30 days after a water well is bored or monitoring well is sealed. Such wells are to be sealed not more than 30 days after they are abandoned in accordance with the sealing requirements in the Illinois Water Well Construction Code. THE LOCAL HEALTH DEPARTMENT OR REGIONAL PUBLIC HEALTH DEPARTMENT MUST BE NOTIFIED AT LEAST 48 HOURS PRIOR TO SEALING.

1. Ownership (Name of Controlling Party)

U.S. EPA

2. Well Location: Well Site Address

90 East Seahorse Drive

City

Waukegan

Zip

60085

Lot #

Land I.D.#

MW-526D

County

Lake

Township

45N

Range

12E

Section

15

SE

Quarter of the

SW

Quarter of the

Quarter

GPS: North

Degrees

42

Minutes

22

Seconds

12.5

West

Degrees

87

Minutes

49

Seconds

11.3

Report decimal minutes to minutes and seconds by multiplying the decimal part of the minutes by 60, e.g. latitude 38 degrees 46.07 minutes N would be latitude 38 degrees 46 minutes 4.2 seconds (0.07 x 60 = 4.2) N. Report GPS coordinates to the nearest 0.1 second.

3. Year Drilled

4. Drilling Permit Number (and date, if known)

5. Type of Well

Monitoring

6. Total Depth (ft.)

29

Diameter (in.)

2

7. Formation clear of obstruction

Yes

8. Details of Plugging (bentonite, neat cement or other materials)

Filled with

Bentonite 3/8-inch plug

From (ft.)

0

to (ft.)

29

Kind of plug

From (ft.)

to (ft.)

Filled with

From (ft.)

to (ft.)

Kind of plug

From (ft.)

to (ft.)

Filled with

From (ft.)

to (ft.)

Kind of plug

From (ft.)

to (ft.)

9. CASING RECORD Upper 2 feet of casing removed

No

10. Date well was sealed

Jul 27, 2010

11. Licensed water well driller or other person approved by the Department performing well sealing

Name

Carol Nissen, PG

Complete License Number

196000346

Address

1 South Wacker Drive, Suite 300

City

Chicago

State

Illinois

Zip Code

60606

This state agency is requesting disclosure of information that is necessary to accomplish the statutory purpose as outlined under Public Act-0883. Disclosure of this information is mandatory. This form has been approved by the Forms Management Center. IL 482-0631- Revised 5/09

Questions regarding the completion of this form should be directed to the local health department or the Illinois Department of Public Health 217-782-5830, TTY (for hearing impaired only) 800-547-0466.



ILLINOIS DEPARTMENT OF PUBLIC HEALTH  
DIVISION OF ENVIRONMENTAL HEALTH  
525 W. JEFFERSON ST.  
SPRINGFIELD, IL 62761



WATER WELL SEALING FORM

PDF FILLABLE/SAVABLE

RETURN ALL COPIES TO IDPH OR  
LOCAL HEALTH DEPARTMENT

This form shall be submitted to this Department or the local health department not more than 30 days after a water well is abandoned or monitoring well is sealed. Such wells are to be sealed not more than 30 days after they are abandoned in accordance with the sealing requirements in the Illinois Water Well Construction Code. THE LOCAL HEALTH DEPARTMENT OR REGIONAL PUBLIC HEALTH DEPARTMENT MUST BE NOTIFIED AT LEAST 48 HOURS PRIOR TO SEALING.

1. Ownership (Name of Controlling Party)

U.S. EPA

2. Well Location: Well Site Address

90 East Seahorse Drive

City

Waukegan

Zip

60085

Lot #

Land I.D.#

MW-5265

County

Lake

Township

45N

Range

12E

Section

15

SE

Quarter of the

SW

Quarter of the

Quarter

GPS: North

Degrees

42

Minutes

22

Seconds

12.4

West

Degrees

87

Minutes

49

Seconds

11.3

Report decimal minutes to minutes and seconds by multiplying the decimal part of the minutes by 60, e.g. latitude 38 degrees 46.07 minutes N would be latitude 38 degrees 46 minutes 4.2 seconds ( $0.07 \times 60 = 4.2$ ) N. Report GPS coordinates to the nearest 0.1 second.

3. Year Drilled

4. Drilling Permit Number (and date, if known)

5. Type of Well

Monitoring

6. Total Depth (ft.)

11.35

Diameter (in.)

2

7. Formation clear of obstruction

Yes

8. Details of Plugging (bentonite, neat cement or other materials)

Filled with

Bentonite 3/8-inch plug

From (ft.)

0

to (ft.)

11.35

Kind of plug

From (ft.)

to (ft.)

Filled with

From (ft.)

to (ft.)

Kind of plug

From (ft.)

to (ft.)

Filled with

From (ft.)

to (ft.)

Kind of plug

From (ft.)

to (ft.)

9. CASING RECORD Upper 2 feet of casing removed

No

10. Date well was sealed

Jul 27, 2010

11. Licensed water well driller or other person approved by the Department performing well sealing

Name

Carol Nissen, PG

Complete License Number

196000346

Address

1 South Wacker Drive, Suite 3

City

Chicago

State

Illinois

Zip Code

60606

This state agency is requesting disclosure of information that is necessary to accomplish the statutory purpose as outlined under Public Act 0883. Disclosure of this information is mandatory. This form has been approved by the Forms Management Center. IL 482-0631- Revised 5/09

Questions regarding the completion of this form should be directed to the local health department or the Illinois Department of Public Health 217-782-5830, TTY (for hearing impaired only) 800-547-0468.



ILLINOIS DEPARTMENT OF PUBLIC HEALTH  
DIVISION OF ENVIRONMENTAL HEALTH  
525 W. JEFFERSON ST.  
SPRINGFIELD, IL 62761



WATER WELL SEALING FORM

PDF FILLABLE/SAVABLE

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LOCAL HEALTH DEPARTMENT

This form shall be submitted to this Department or the local health department not more than 30 days after a water well boring or monitoring well is sealed. Such wells are to be sealed not more than 30 days after they are abandoned in accordance with the sealing requirements in the Illinois Water Well Construction Code. THE LOCAL HEALTH DEPARTMENT OR REGIONAL PUBLIC HEALTH DEPARTMENT MUST BE NOTIFIED AT LEAST 48 HOURS PRIOR TO SEALING.

1. Ownership (Name of Controlling Party)

U.S. EPA

2. Well Location: Well Site Address

90 East Seahorse Drive

City

Waukegan

Zip

60085

Lot #

Land I.D.#

W-12

County

Lake

Township

45N

Range

12E

Section

15

SE

Quarter of the

SW

Quarter of the

Quarter

GPS: North

Degrees

42

Minutes

22

Seconds

14.4

West

Degrees

87

Minutes

48

Seconds

56.1

Report decimal minutes to minutes and seconds by multiplying the decimal part of the minutes by 60, e.g. latitude 38 degrees 46.07 minutes N would be latitude 38 degrees 46 minutes 4.2 seconds (0.07 x 60 = 4.2) N. Report GPS coordinates to the nearest 0.1 second.

3. Year Drilled

4. Drilling Permit Number (and date, if known)

5. Type of Well

Monitoring

6. Total Depth (ft.)

7.71

Diameter (in.)

2

7. Formation clear of obstruction

Yes

8. Details of Plugging (bentonite, neat cement or other materials)

Filled with

Bentonite 3/8-inch plug

From (ft.)

0

to (ft.)

7.71

Kind of plug

From (ft.)

to (ft.)

Filled with

From (ft.)

to (ft.)

Kind of plug

From (ft.)

to (ft.)

Filled with

From (ft.)

to (ft.)

Kind of plug

From (ft.)

to (ft.)

9. CASING RECORD Upper 2 feet of casing removed

No

10. Date well was sealed

Jul 27, 2010

11. Licensed water well driller or other person approved by the Department performing well sealing

Name

Carol Nissen, PG

Complete License Number

196000346

Address

1 South Wacker Drive, Suite 300

City

Chicago

State

Illinois

Zip Code

60606

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ILLINOIS DEPARTMENT OF PUBLIC HEALTH  
DIVISION OF ENVIRONMENTAL HEALTH  
525 W. JEFFERSON ST.  
SPRINGFIELD, IL 62761



WATER WELL SEALING FORM

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LOCAL HEALTH DEPARTMENT

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1. Ownership (Name of Controlling Party)

U.S. EPA

2. Well Location: Well Site Address

90 East Seahorse Drive

City Waukegan

Zip 60085

Lot #

Land I.D.#

W-13

County

Lake

Township

45N

Range

12E

Section

15

SE

Quarter of the

SW

Quarter of the

Quarter

GPS: North

Degrees

42

Minutes

22

Seconds

13

West

Degrees

87

Minutes

48

Seconds

56.8

Report decimal minutes to minutes and seconds by multiplying the decimal part of the minutes by 60, e.g. latitude 38 degrees 46.07 minutes N would be latitude 38 degrees 46 minutes 4.2 seconds (0.07 x 60 = 4.2) N. Report GPS coordinates to the nearest 0.1 second.

3. Year Drilled

4. Drilling Permit Number (and date, if known)

5. Type of Well

Monitoring

6. Total Depth (ft.)

12.5

Diameter (in.)

2

7. Formation clear of obstruction

Yes

8. Details of Plugging (bentonite, neat cement or other materials)

Filled with

Bentonite 3/8-inch plug

From (ft.)

0

to (ft.)

12.5

Kind of plug

From (ft.)

to (ft.)

Filled with

From (ft.)

to (ft.)

Kind of plug

From (ft.)

to (ft.)

Filled with

From (ft.)

to (ft.)

Kind of plug

From (ft.)

to (ft.)

9. CASING RECORD Upper 2 feet of casing removed

No

10. Date well was sealed

Jul 27, 2010

11. Licensed water well driller or other person approved by the Department performing well sealing

Name

Carol Nissen, PG

Complete License Number

19600346

Address

1 South Wacker Drive, Suite 3

City

Chicago

State

Illinois

Zip Code

60606

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**Appendix F**  
**Daily Reports**  
**(CD)**

**Appendix G**  
**Photographic Log**  
**(CD)**



**Appendix H**  
**Waste Trucking Log Summaries**

Date	Landfill	Number of Manifests	# of Non-TSCA Soil Loads	# of Non-TSCA Concrete Loads	Total Number of Non-TSCA Loads
08/06/2010	Veolia	34	112	0	112
08/09/2010	Veolia	28	28	0	28
08/10/2010	Veolia	48	169	0	169
08/11/2010	Veolia	44	155	0	155
08/12/2010	Veolia	45	161	0	161
08/13/2010	Veolia	44	147	0	147
08/16/2010	Veolia	52	165	0	165
08/17/2010	Veolia	37	130	0	130
08/18/2010	Veolia	32	104	0	104
08/19/2010	Veolia	39	131	0	131
08/20/2010	Veolia	44	138	0	138
08/23/2010	Veolia	43	136	0	136
08/24/2010	Veolia	21	81	0	81
09/01/2010	Veolia	15	53	0	53
09/03/2010	Veolia	12	40	0	40
09/07/2010	Veolia	20	65	0	65
09/08/2010	Veolia	18	48	20	68
09/09/2010	Veolia	22	30	38	68
09/10/2010	Veolia	30	98	0	98
09/13/2010	Veolia	27	94	0	94
09/14/2010	Veolia	28	96	0	96
09/15/2010	Veolia	32	107	0	107
09/16/2010	Veolia	46	133	0	133
09/17/2010	Veolia	27	92	0	92
09/20/2010	Veolia	41	90	37	127
09/21/2010	Veolia	32	38	84	122
09/22/2010	Veolia	43	24	115	139
09/23/2010	Veolia	36	50	79	129
09/24/2010	Veolia	38	77	36	113
09/27/2010	Veolia	32	23	67	90
09/28/2010	Veolia	25	82	0	82
09/29/2010	Veolia	24	43	37	80
09/30/2010	Veolia	26	91	0	91
10/01/2010	Veolia	31	82		82
10/04/2010	Veolia	28	110	1	111
10/05/2010	Veolia	43	137	0	137
10/06/2010	Veolia	43	93	60	153
10/07/2010	Veolia	38	142	0	142
10/08/2010	Veolia	31	120	0	120
10/11/2010	Veolia	32	122	0	122
10/12/2010	Veolia	30	111	0	111
10/13/2010	Veolia	36	131	0	131
10/14/2010	Veolia	43	140	0	140
10/15/2010	Veolia	47	134	0	134
10/18/2010	Veolia	38	61	70	131
10/19/2010	Veolia	52	188	52	240
10/20/2010	Veolia	52	125	58	183
10/21/2010	Veolia	61	38	57	95
10/22/2010	Veolia	56	158	14	172
10/25/2010	Veolia	63	23	128	151
10/26/2010	Veolia	114	381	0	381
10/28/2010	Veolia	100	317	0	317
11/01/2010	Veolia	52	155	0	155
11/04/2010	Veolia	2	6	0	6
11/05/2010	Veolia	2	3	4	7
11/08/2010	Veolia	12	30	0	30
11/09/2010	Veolia	20	51	0	51
11/10/2010	Veolia	32	100	0	100
11/11/2010	Veolia	33	107	0	107
11/12/2010	Veolia	35	110	0	110
11/15/2010	Veolia	40	122	0	122
11/16/2010	Veolia	61	157	0	157
11/17/2010	Veolia	43	154	0	154
11/18/2010	Veolia	64	127	32	159
11/19/2010	Veolia	32	65	16	81
11/22/2010	Veolia	24	66	0	66
11/23/2010	Veolia	47	80	27	107
11/24/2010	Veolia	22	60	0	60
11/29/2010	Veolia	41	149	0	149
11/30/2010	Veolia	39	153	0	153
12/01/2010	Veolia	36	134	0	134
12/02/2010	Veolia	45	161	0	161
12/03/2010	Veolia	34	124	0	124
12/06/2010	Veolia	37	148	0	148
12/07/2010	Veolia	32	110	78	188
12/08/2010	Veolia	26	90	0	90
12/09/2010	Veolia	32	101	0	101
12/10/2010	Veolia	34	104	0	104
12/13/2010	Veolia	41	133	0	133
12/14/2010	Veolia	28	103	0	103
12/15/2010	Veolia	36	122	0	122
12/16/2010	Veolia	36	123	0	123
12/17/2010	Veolia	31	107	0	107
12/20/2010	Veolia	44	133	0	133
12/21/2010	Veolia	29	99	0	99
12/22/2010	Veolia	22	63	0	63

[illegible]

Date	Landfill	# of TSCA Soil Loads	# of TSCA Concrete Loads	# of Concrete/ Asbestos Loads	Total # of TSCA Loads
09/13/2010	Heritage	4	0	0	4
09/14/2010	Heritage	21	0	0	21
09/16/2010	Heritage	2	0	0	2
09/17/2010	Heritage	26	0	0	26
09/21/2010	Heritage	16	0	0	16
09/22/2010	Heritage	14	0	0	14
09/23/2010	Heritage	14	0	0	14
09/24/2010	Heritage	7	0	0	7
09/27/2010	Heritage	13	0	0	13
09/28/2010	Heritage	9	3	0	12
09/29/2010	Heritage	12	0	0	12
09/30/2010	Heritage	5	0	0	5
10/01/2010	Heritage	10	0	0	10
10/04/2010	Heritage	7	6	0	13
10/05/2010	Heritage	14	0	0	14
10/06/2010	Heritage	17	0	0	17
10/07/2010	Heritage	18	0	0	18
10/08/2010	Heritage	1	13	0	14
10/11/2010	Heritage	0	12	0	12
10/12/2010	Heritage	12	0	0	12
10/13/2010	Heritage	8	0	0	8
10/14/2010	Heritage	15	0	0	15
10/15/2010	Heritage	12	0	0	12
10/18/2010	Heritage	15	0	0	15
10/19/2010	Heritage	17	0	0	17
10/20/2010	Heritage	19	0	0	19
10/21/2010	Heritage	16	0	0	16
10/22/2010	Heritage	13	0	0	13
10/25/2010	Heritage	17	0	0	17
10/26/2010	Heritage	20	0	0	20
10/27/2010	Heritage	25	0	0	25
10/28/2010	Heritage	22	0	0	22
10/29/2010	Heritage	20	0	0	20
11/01/2010	Heritage	0	18	0	18
11/02/2010	Heritage	0	18	0	18
11/22/2010	Heritage	12	0	0	12
11/23/2010	Heritage	21	0	0	21
11/24/2010	Heritage	14	0	0	14
11/29/2010	Heritage	11	0	0	11
11/30/2010	Heritage	32	0	0	32
12/01/2010	Heritage	30	0	0	30
12/02/2010	Heritage	28	0	0	28
12/03/2010	Heritage	28	0	0	28
12/06/2010	Heritage	25	0	0	25
12/07/2010	Heritage	5	0	0	5
12/08/2010	Heritage	6	0	0	6
12/09/2010	Heritage	5	0	0	5
12/10/2010	Heritage	5	0	0	5
12/13/2010	Heritage	8	0	0	8
12/14/2010	Heritage	8	0	0	8
12/15/2010	Heritage	7	0	0	7
12/16/2010	Heritage	5	0	0	5
12/17/2010	Heritage	7	0	0	7
12/20/2010	Heritage	12	0	0	12
12/21/2020	Heritage	12	0	0	12
12/22/2010	Heritage	10	0	0	10
01/27/2011	Heritage	11	0	0	11
01/28/2011	Heritage	9	0	0	9
01/31/2011	Heritage	5	0	0	5
02/09/2011	Heritage	5	0	0	5
02/10/2011	Heritage	4	0	0	4
02/11/2011	Heritage	15	0	0	15
02/14/2011	Heritage	2	8	0	10
02/15/2011	Heritage	4	4	0	8
02/16/2011	Heritage	0	4	0	4
02/17/2011	Heritage	0	5	0	5
02/18/2011	Heritage	0	5	0	5
02/21/2011	Heritage	5	5	0	10
02/22/2011	Heritage	4	7	0	11
02/23/2011	Heritage	3	11	0	14
02/24/2011	Heritage	9	3	0	12
02/25/2011	Heritage	6	2	0	8
02/28/2011	Heritage	8	2	0	10
03/01/2011	Heritage	8	2	0	10
03/02/2011	Heritage	14	4	0	18
03/03/2011	Heritage	9	9	0	18
03/04/2011	Heritage	0	17	0	17
03/07/2011	Heritage	0	19	0	19
03/08/2011	Heritage	0	21	0	21
03/09/2011	Heritage	0	22	0	22
03/10/2011	Heritage	9	17	0	26



		# of TSCA Soil Loads	# of TSCA Concrete Loads	# of Concrete/ Asbestos Loads	Total # of TSCA Loads
Date	Landfill				
03/11/2011	Heritage	21	0	0	21
03/14/2011	Heritage	21	0	0	21
03/15/2011	Heritage	11	15	0	26
03/16/2011	Heritage	0	29	0	29
03/17/2011	Heritage	2	27	0	29
03/18/2011	Heritage	2	23	0	25
03/21/2011	Heritage	0	18	0	18
03/22/2011	Heritage	0	19	0	19
03/23/2011	Heritage	0	23	0	23
03/24/2011	Heritage	0	23	0	23
03/25/2011	Heritage	10	9	0	19
03/28/2011	Heritage	18	0	0	18
03/29/2011	Heritage	21	0	0	21
03/30/2011	Heritage	24	0	0	24
03/31/2011	Heritage	24	0	0	24
04/01/2011	Heritage	0	19	0	19
04/04/2011	Heritage	25	0	0	25
04/05/2011	Heritage	34	0	0	34
04/06/2011	Heritage	36	0	0	36
04/07/2011	Heritage	32	0	0	32
04/08/2011	Heritage	25	0	0	25
04/11/2011	Heritage	23	0	0	23
04/12/2011	Heritage	35	0	0	35
04/13/2011	Heritage	39	0	0	39
04/14/2011	Heritage	39	0	0	39
04/15/2011	Heritage	28	0	0	28
04/18/2011	Heritage	27	0	0	27
04/19/2011	Heritage	29	0	0	29
04/20/2011	Heritage	0	32	0	32
04/21/2011	Heritage	0	32	0	32
04/22/2011	Heritage	8	6	0	14
04/25/2011	Heritage	5	0	0	5
04/26/2011	Heritage	7	0	0	7
04/27/2011	Heritage	8	0	0	8
04/28/2011	Heritage	1	0	0	1
04/29/2011	Heritage	0	0	0	0
05/05/2011	Heritage	6	9	0	15
05/06/2011	Heritage	2	1	0	3
06/06/2011	Heritage	1	5	2	8
06/07/2011	Heritage	0	5	1	6
06/08/2011	Heritage	0	4	1	5
06/09/2011	Heritage	0	7	0	7
06/10/2011	Heritage	0	5	1	6
06/13/2011	Heritage	0	6	0	6
06/14/2011	Heritage	0	4	0	4
06/15/2011	Heritage	0	6	0	6
06/16/2011	Heritage	0	5	0	5
06/17/2011	Heritage	1	3	0	4
06/20/2011	Heritage	1	3	0	4
06/29/2011	Heritage	5	0	0	5
06/30/2011	Heritage	7	0	0	7
07/01/2011	Heritage	4	3	0	7
07/26/2011	Heritage	5	2	0	7
07/27/2011	Heritage	5	4	0	9
07/28/2011	Heritage	5	4	0	9
07/29/2011	Heritage	2	4	0	6
08/01/2011	Heritage	6	3	0	9
08/02/2011	Heritage	20	2	0	22
08/03/2011	Heritage	22	0	0	22
08/04/2011	Heritage	17	0	0	17
08/05/2011	Heritage	8	0	0	8
08/08/2011	Heritage	11	0	0	11
08/09/2011	Heritage	10	0	0	10
08/10/2011	Heritage	9	0	0	9
08/11/2011	Heritage	7	2	0	9
08/12/2011	Heritage	8	2	0	10
TOTAL		1,579	601	5	2,185

**Appendix I**  
**Meteorological Data**  
**(CD)**